



CHUKOH FLO™ ADHESIVE TAPES

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WEB form

General Catalog Information

The PDF version of our general catalog is available.



Environmental Survey Documents

SDS, RoHS Directive, material certificate, REACH SVHC for some products are available.



Caution

- Do not use at the temperature exceeding the maximum service temperature.
- Do not use for medical applications or other usages involving a contact with human body.
- Observe the related laws and regulations for disposal. Do not incinerate in any case.
- The applications given in the catalog are just a few examples.
- If you have any questions regarding your intended use, please contact us.
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Reliability and Experience

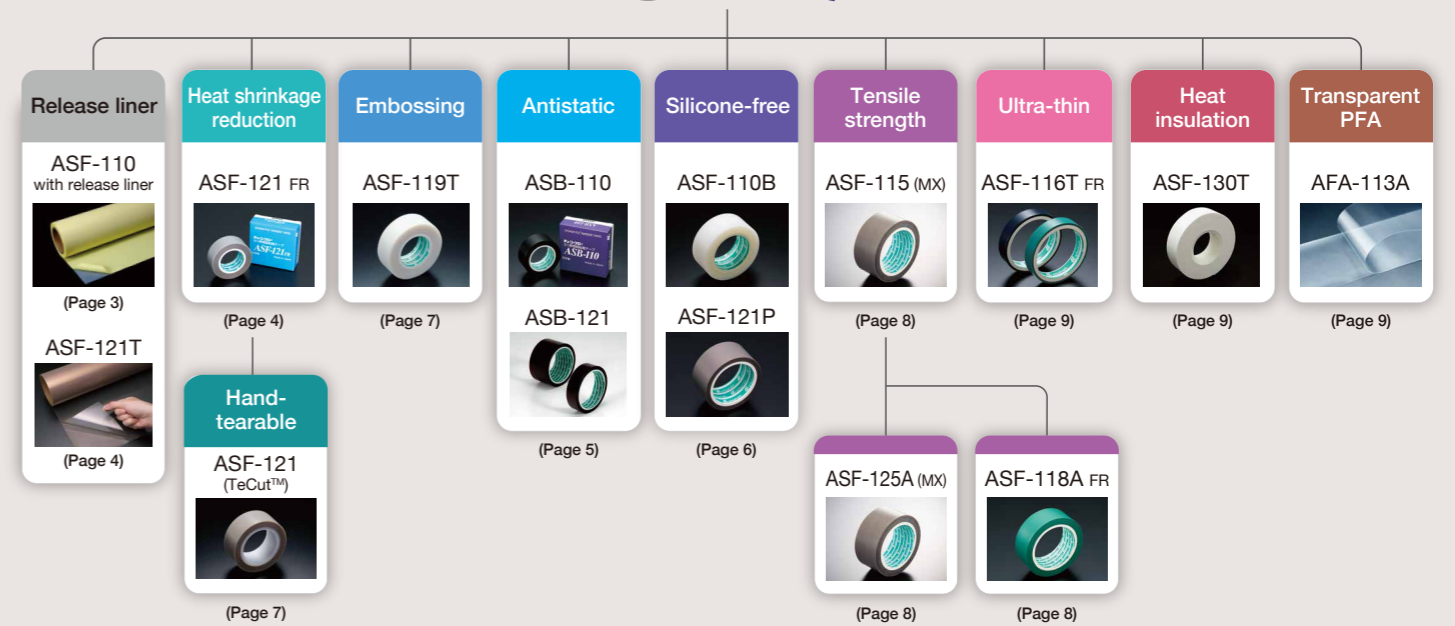
CHUKOH FLO™ Adhesive Tape









CHUKOH FLO™ Adhesive Tape is the tradename of Chukoh Chemical Industries for a wide range of High Performance Pressure Sensitive Tape products. The non-stick, low-friction surface combined with high heat resistance, strong electrical insulation properties and the ability to resist most chemicals permits their use in lining, electrical insulation, heat sealing and chemical environment applications.

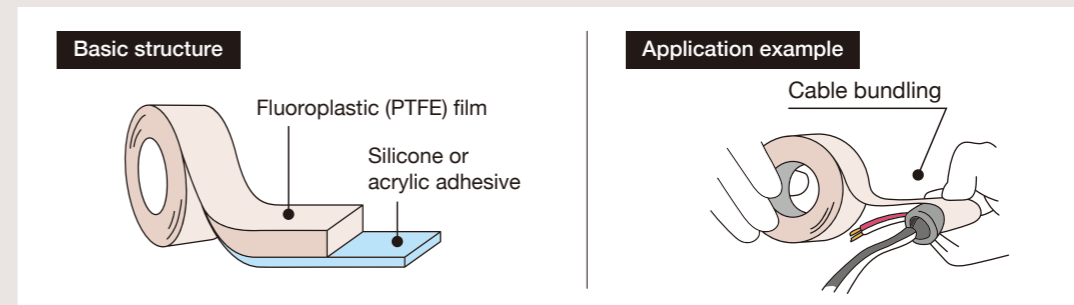
CHUKOH FLO™

Fluoroplastic film adhesive tapes

 Non-stick property	 Lowest friction	 Heat resistance	 Insulation	 Chemical resistance	 Flexibility
Has the property of not sticking to any substance	Has the lowest coefficient of dynamic friction among all solids	Has top-class heat and cold resistance among plastics	Has the highest level of electrical insulation among plastics	Has a stable molecular structure and is inert to most chemicals	Has the flexibility characteristic of fluoroplastic, making it easily conform to complex shapes, with a smooth surface



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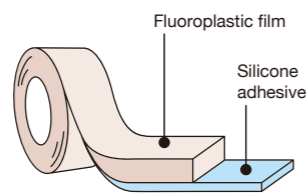


Standard fluoroplastic film tape

Fluoroplastic film Silicone adhesive



Structure



Main applications

- Insulating spacers, and insulation covering for wire connections
- Cable bundling and protection
- Slippage enhancement in chutes and hoppers
- Covering for pressure-bonded heat seals
- Anti-chemical masking
- Prevention of wear in sliding parts, and counter-measure for noise
- Scratch prevention and slippage enhancement on conveyor lines for bottles and cans

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)												Maximum width mm (in)	Length m (yd)
		10	13	19	25	30	38	50	100	150	200	250	300		
ASF-110 FR	0.08 (3.1)	10	13	19	25	30	38	50	100	150	200	250	300	420 (16½)	10 (11)
	0.13 (5.1)	10	13	19	25	30	38	50	100	150	200	250	300		
	0.18 (7.1)	—	13	19	25	30	38	50	100	150	200	250	300		
	0.23 (9.1)	—	13	19	25	30	38	50	—	—	—	—	—		

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-110 FR	0.08 (3.1)	70 (16)	180	7 (25)	10	200 (390)
	0.13 (5.1)	160 (36)		8 (29)	15	
	0.18 (7.1)	250 (56)		9 (32)	18	
	0.23 (9.1)	340 (76)		10 (36)	21	

* Values shown in this table represent measurements and do not constitute guaranteed values.

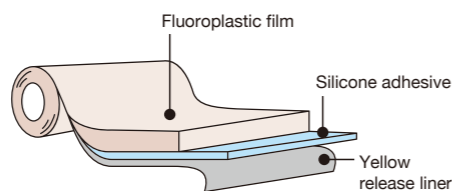


Easy to apply with release liner

Release liner Fluoroplastic film Silicone adhesive



Structure



Main applications

- Insulating spacers, and insulation covering for wire connections
- Cable bundling and protection
- Slippage enhancement in chutes and hoppers
- Covering for pressure-bonded heat seals
- Anti-chemical masking
- Prevention of wear in sliding parts, and counter-measure for noise
- Scratch prevention and slippage enhancement on conveyor lines for bottles and cans

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)	Maximum width mm (in)	Length m (yd)
ASF-110 with release liner	0.08 (3.1)	—	420 (16½)	1~ (from 1)
	0.13 (5.1)			
	0.18 (7.1)			
	0.23 (9.1)			

* Tapes can be slit to widths up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-110 with release liner	0.08 (3.1)	70 (16)	180	7 (25)	10	200 (390)
	0.13 (5.1)	160 (36)		8 (29)	15	
	0.18 (7.1)	250 (56)		9 (32)	18	
	0.23 (9.1)	340 (76)		10 (36)	21	

* Values shown in this table represent measurements and do not constitute guaranteed values.

This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE) film. The release liner makes it possible to peel off the film little by little.

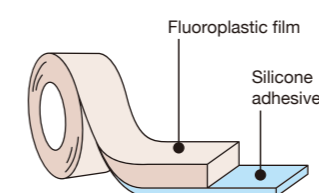
* Custom processing such as die cutting and other cutting methods is also available upon request.

Less prone to peeling even under high-temperature

Heat shrinkage reduction Fluoroplastic film Silicone adhesive



Structure



Main applications

- Clean release in heat sealers, fusion cutters, and vacuum packagers
- High-temperature electrical insulation covering
- Masking and slippage enhancement in hot chemical atmospheres

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)												Maximum width mm (in)	Length m (yd)	
		10	13	19	25	30	38	50	100	150	200	250	300			
ASF-121 FR	0.08 (3.1)	10	13	19	25	30	38	50	—						350 (14)	10 (11)
	0.13 (5.1)	10	13	19	25	30	38	50	—							
	0.18 (7.1)	—	13	19	25	30	38	50	—							
	0.23 (9.1)	—	13	19	25	30	38	50	—							

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE) film.

It is gray color as it is made using a different surface treatment from ASF-110FR.

This tape is less prone to peeling under high-temperature conditions thanks to its low level of heat-induced shrinkage.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-121 FR	0.08 (3.1)	90 (20)	150	7 (25)	9	200 (390)
	0.13 (5.1)	160 (36)	220	9 (32)	13	
	0.18 (7.1)	250 (56)		10 (36)	16	
	0.23 (9.1)	300 (67)		10 (36)	18	

* Values shown in this table represent measurements and do not constitute guaranteed values.

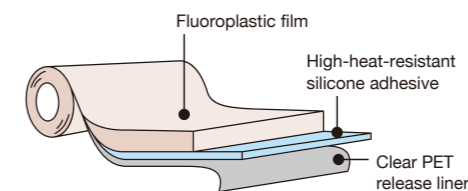


Suitable for punching with release liner

High heat resistance Release liner Fluoroplastic film Silicone adhesive



Structure



Main applications

- Clean release in heat sealers, fusion cutters, and vacuum packagers
- High-temperature electrical insulation covering
- Masking and slippage enhancement in hot chemical atmospheres

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)	Maximum width mm (in)	Length m (yd)
ASF-121T	0.08 (3.1)	—	480 (19)	1~ (from 1)
	0.13 (5.1)			
	0.18 (7.1)			
	0.23 (9.1)			

* Tapes can be slit to widths up to the maximum width.
* Inch and yard sizes are for reference only.

This tape consists of highly heat-resistant silicone adhesive applied to a base material made of fluoroplastic (PTFE) film.

It is gray color as it is made using a different surface treatment from ASF-110FR. This tape has low shrinkage at high temperatures and excellent surface smoothness. Coming with release liner, it is also suitable for punching process.

* Custom processing such as die cutting, kiss cutting, and other cutting methods is also available upon request.

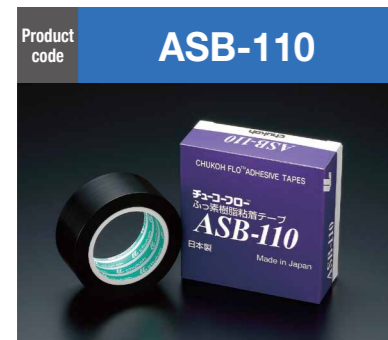
Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-121T	0.08 (3.1)	90 (20)	150	6 (21)	9	250 (480)
	0.13 (5.1)	160 (36)	220	7 (25)	13	
	0.18 (7.1)	250 (56)	220	9 (32)	16	
	0.23 (9.1)	300 (67)	220	9 (32)	18	

* Values shown in this table represent measurements and do not constitute guaranteed values.

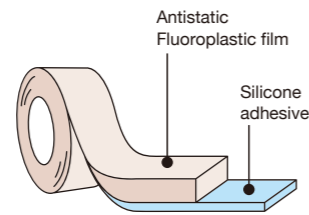
Stretchable (non-elastic), antistatic type

Antistatic Fluoroplastic film Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE) film containing conductive carbon. It provides the characteristics of fluoroplastics with additional antistatic properties.

Structure



Main applications

- Clean release in heat sealers, fusion cutters, and vacuum packagers
- Improvement of sliding in areas where static build up must be minimized such as on film transport rolls
- Masking over complex shapes

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)			Maximum width mm (in)	Length m (yd)
		13 (1/2)	25 (1)	38 (1 1/2)		
ASB-110	0.13 (5.1)	13 (1/2)	25 (1)	38 (1 1/2)	450 (18)	10 (11)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Surface resistivity (Ω)	Maximum service temperature °C (°F)
ASB-110	0.13 (5.1)	70 (16)	340	8 (29)	2.6×10 ⁵	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

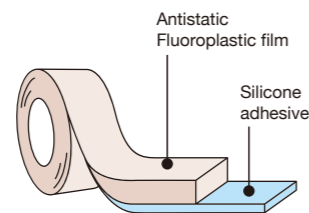
Less stretchable (non-elastic), antistatic type

Antistatic Fluoroplastic film Silicone adhesive



This tape is thinner and less stretchy than ASB-110. It provides the characteristics of fluoroplastics with additional antistatic properties.

Structure



Main applications

- Clean release in heat sealers, fusion cutters, and vacuum packagers
- Improvement of sliding in areas where static build up must be minimized such as on film transport rolls
- Masking over complex shapes

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)			Maximum width mm (in)	Length m (yd)
		13 (1/2)	25 (1)	50 (2)		
ASB-121	0.08 (3.1)	13 (1/2)	25 (1)	50 (2)	350 (14)	10 (11)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Surface resistivity (Ω)	Maximum service temperature °C (°F)
ASB-121	0.08 (3.1)	70 (16)	130	6 (21)	2.6×10 ⁵	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

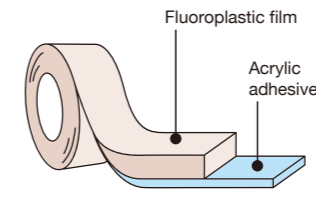
Silicone-free type

Silicone-free Fluoroplastic film Acrylic adhesive



This tape consists of acrylic adhesive applied to a base material made of fluoroplastic (PTFE) film. This product can be used in applications where silicone is not suitable.

Structure



Main applications

- Slippage enhancement, masking and insulation covering in a place where silicone is not suitable

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)			Maximum width mm (in)	Length m (yd)
		25 (1)	350 (14)	10 (11)		
ASF-110B	0.13 (5.1)	25 (1)	350 (14)	10 (11)		

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-110B	0.13 (5.1)	160 (36)	180	9 (32)	15	80 (176)

* Values shown in this table represent measurements and do not constitute guaranteed values.

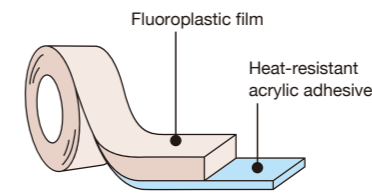
High heat resistance, silicone-free type

High heat resistance Silicone-free Fluoroplastic film Acrylic adhesive



This adhesive tape consists of acrylic adhesive with excellent heat resistance applied to a base material made of fluoroplastic (PTFE) film. It can be used in high-temperature environments where silicone is not suitable.

Structure



Main applications

- Insulation covering for electronic devices, etc.
- Masking in the painting process

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)			Maximum width mm (in)	Length m (yd)
		25 (1)	350 (14)	10 (11)		
ASF-121P	0.06 (2.4)	25 (1)	350 (14)	10 (11)		

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-121P	0.06 (2.4)	90 (20)	150	5 (18)	9	180 (356)

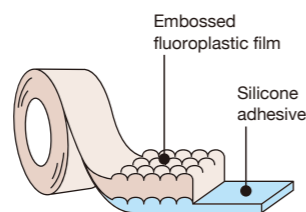
* Values shown in this table represent measurements and do not constitute guaranteed values.

Embossed surface for enhanced low-friction and clean release

Embossing Fluoroplastic film Silicone adhesive



Structure



Main applications

- Slippage enhancement and scratch prevention for transported objects
- Prevention of sticky substances such as unvulcanized rubber from sticking

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
ASF-119T	0.35 (13.8)	25 (1)	50 (2)	250 (10)	10 (11)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-119T	0.35 (13.8)	—	—	8 (29)	12	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE) film with an embossed surface.

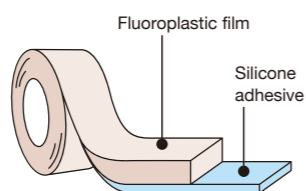
This tape provides 30% better lowest friction than ASF-110FR and enables better clean release.

Hand-tearable fluoroplastic tape

Hand-tearable Heat shrinkage reduction Fluoroplastic film Silicone adhesive



Structure



Main applications

- Applications requiring more efficient adhesive tape cutting
- Applications requiring less risk of foreign object contamination, including cutter chips
- Use in clean rooms where metal (blade) elution is undesirable
- Use in work environments where the use of blades is undesirable

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
ASF-121 (TeCut™)	0.13 (5.1)	13 (1/2)	19 (3/4)	25 (1)	10 (11)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-121 (TeCut™)	0.13 (5.1)	—	—	9 (32)	13	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

This is the fluoroplastic film adhesive tape, ASF-121FR, processed to be hand-tearable, making it possible to cut without using a blade.

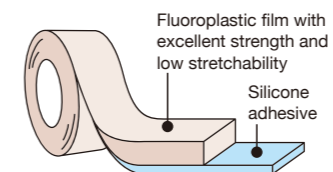
Since the core is made of PE instead of paper, this tape is suitable for use in clean rooms, where cutting tools are undesirable.

Provide both tensile strength and smoothness

Tensile strength Fluoroplastic film Silicone adhesive



Structure



Main applications

- Roll masking and belts for protecting and preventing material from sticking to polyethylene laminator rolls
- Other applications that require low elongation

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
ASF-115 (MX)	0.10 (3.9)	38 (1 1/2)	50 (2)	250 (10)	33 (36)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-115 (MX)	0.10 (3.9)	135 (30)	40	7 (25)	11	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

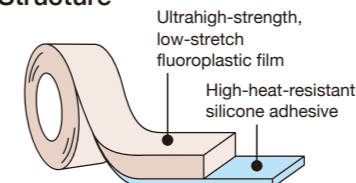
This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE) film with excellent strength and low stretch.

Extra strong and excellent shape retention for better workability

High heat resistance Tensile strength Fluoroplastic film Silicone adhesive



Structure



Main applications

- Roll masking and belts for protecting and preventing material from sticking to polyethylene laminator rolls
- Other applications that require low stretchability

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
ASF-125A (MX)	0.10 (3.9)	38 (1 1/2)	50 (2)	250 (10)	33 (36)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-125A (MX)	0.10 (3.9)	250 (56)	60	6 (21)	12	250 (480)

* Values shown in this table represent measurements and do not constitute guaranteed values.

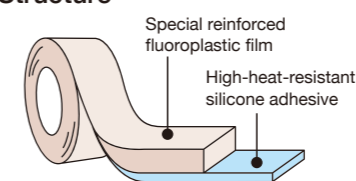
This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE) film with excellent strength and low stretch. This tape delivers even better tensile strength than that of ASF-115 (MX).

Better tensile strength than ASF-115 (MX)

High heat resistance Distinguishability Tensile strength Fluoroplastic film Silicone adhesive



Structure



Main applications

- Roll masking and belts for protecting and preventing material from sticking to polyethylene laminator rolls
- Other applications that require low stretchability

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
ASF-118A FR	0.10 (3.9)	34 (1 11/32)	38 (1 1/2)	50 (2)	80 (3 5/32)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-118A FR	0.10 (3.9)	220 (49)	70	7 (25)	10	250 (480)

* Values shown in this table represent measurements and do not constitute guaranteed values.

This tape consists of green-dyed silicone adhesive applied to a base material made of special reinforced fluoroplastic (PTFE) film. This tape delivers even better tensile strength than that of ASF-115 (MX).



Super-thin tape for bundling and marking

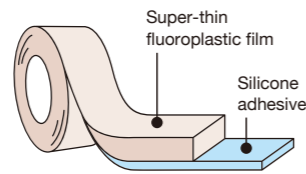
Distinguishability Ultra-thin Fluoroplastic film Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of super-thin fluoroplastic (PTFE) film. The adhesive has been dyed green and black for easier identification.



Structure



Main applications

- Wire and cable bundling
- Insulating spacers, and insulation covering

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)			Maximum width mm (in)	Length m (yd)
ASF-116T FR	0.04 (1.6)	5 (1 ⁹ / ₆₄)	10 (2 ⁵ / ₆₄)	20 (2 ⁵ / ₃₂)	40 (1 ³⁷ / ₆₄)	5 (5 ¹ / ₂)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ASF-116T FR	0.04 (1.6)	40 (9)	110	3 (11)	5	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

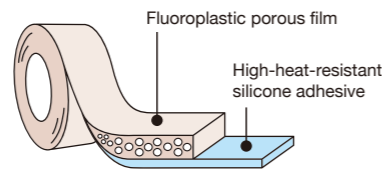
Porous tape for thermal insulation and cushioning

High heat resistance Heat insulation Fluoroplastic film Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of fluoroplastic porous film (ePTFE). Its pores achieve excellent heat insulation and cushioning capabilities.

Structure



Main applications

- Heat insulating materials in a clean room
- Peripheral component protection in BGA rework
- Shielding of the parts requiring cushioning or sliding

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)	Maximum width mm (in)	Length m (yd)
ASF-130T	1.0 (39.4)	25 (1)	100 (4)	4 (43 ¹ / ₄)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Thermal conductivity (W/m·K)	Maximum service temperature °C (°F)
ASF-130T	1.0 (39.4)	245 (55)	45	10 (36)	10	0.075	250 (480)

* Values shown in this table represent measurements and do not constitute guaranteed values.

Transparent PFA film adhesive tape

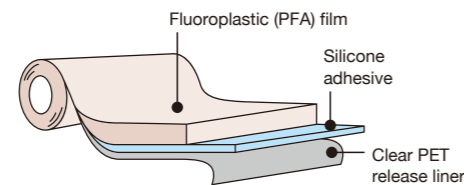
Release liner Transparent PFA Fluoroplastic film Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PFA) film, and offers excellent transparency in addition to the many characteristics of fluoroplastics.

* Custom processing such as die cutting, kiss cutting, and other cutting methods is also available upon request.

Structure



Main applications

- Applications requiring transparency, such as label protection
- Insulation for electrical equipment

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)	Maximum width mm (in)	Length m (yd)
AFA-113A	0.10 (3.9)	50 (2)	300 (12)	10 (11)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Transmittance (%)	Maximum service temperature °C (°F)
AFA-113A	0.10 (3.9)	50 (11)	400	6 (21)	10	94	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

CHUKOH FLO™

Fluoroplastic glass cloth adhesive tapes

Non-stick property

Has the property of not sticking to any substance

Lowest friction

Has the lowest coefficient of dynamic friction among all solids

Heat resistance

Has top-class heat and cold resistance among plastics

Insulation

Has the highest level of electrical insulation among plastics

Chemical resistance

Has a stable molecular structure and is inert to most chemicals

Dimensional stability

Has the high strength and dimensional stability characteristic of glass cloth, with uneven surface



Wide	High heat resistance	Antistatic	High clean release characteristics	Zone tape	Distinguishability	Air-permeability
AGF-400 • 500	AGF-100A AGF-100T	AGB-100 AGB-500	AGF-101 AGF-103T	AGF-102	AGF-100 BLUE AGF-100 FR ORANGE	AGB-207-6-1
(Page 11)	(Page 12)	(Page 13)	(Page 14)	(Page 14)	(Page 15)	(Page 15)

Basic structure

Application example

Heat sealer

Roll lining

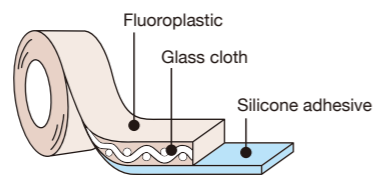
Standard fluoroplastic glass cloth adhesive tape

Glass cloth Fluoroplastic Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE)-impregnated glass cloth. As such, this tape offers the many characteristics of fluoroplastics while delivering excellent dimensional stability. The surface of the tape has embossings that derive from the glass cloth.

Structure



Main applications

- Clean release in heat sealers, and vacuum packagers
- Clean release in press processes such as resin molding
- Electrical insulation covering
- Covering for other areas that require non-adhesivity and slipping

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)												Maximum width mm (in)	Length m (yd)	
		10 (25/64)	13 (1/2)	19 (3/4)	25 (1)	30 (1 1/4)	38 (1 1/2)	50 (2)	75 (3)	100 (4)	150 (6)	200 (8)	250 (10)			300 (12)
AGF-100 FR	0.13 (5.1)	10	13	19	25	30	38	50	75	100	150	200	250	300	560 (22)	10 (11)
	0.15 (5.9)	10	13	19	25	30	38	50	75	100	150	200	250	300		
	0.18 (7.1)	10	13	19	25	30	38	50	75	100	150	200	250	300		
	0.30 (11.8)	—	13 (1/2)	19 (3/4)	25 (1)	—	—	50 (2)	—	—	—	—	—	—	450 (18)	5 (5 1/2)
		—	—	19 (3/4)	25 (1)	—	—	50 (2)	—	—	—	—	—	—		

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGF-100 FR	0.13 (5.1)	360 (81)	—	9 (32)	6	200 (390)
	0.15 (5.9)	530 (119)		11 (39)		
	0.18 (7.1)	860 (193)		13 (46)		
	0.30 (11.8)	1220 (274)		14 (50)		

* Values shown in this table represent measurements and do not constitute guaranteed values.

UL510A certified

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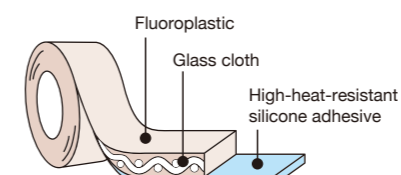
Improved heat resistance over AGF-100FR

High heat resistance Glass cloth Fluoroplastic Silicone adhesive



Based on the AGF-100FR, the heat resistance of this product has been improved up to +250°C. It offers exceptionally good holding strength. (less displacement in the lateral direction)

Structure



Main applications

- Clean release in heat sealers, and vacuum packagers
- Clean release in press processes such as resin molding
- Electrical insulation covering
- Covering for other areas that require non-adhesivity and slipping

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)								Maximum width mm (in)	Length m (yd)
		13 (1/2)	19 (3/4)	25 (1)	30 (1 1/4)	38 (1 1/2)	50 (2)	100 (4)			
AGF-100A	0.13 (5.1)	13	19	25	30	38	50	100	560 (22)	10 (11)	
	0.15 (5.9)	13	19	25	30	38	50	100			
	0.18 (7.1)	13	19	25	30	38	50	100			
	0.30 (11.8)	—	—	—	—	—	—	—			450 (18)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGF-100A	0.13 (5.1)	360 (81)	—	10 (36)	6	250 (480)
	0.15 (5.9)	530 (119)		10 (36)		
	0.18 (7.1)	860 (193)		11 (39)		
	0.30 (11.8)	1220 (274)		12 (43)		

* Values shown in this table represent measurements and do not constitute guaranteed values.

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Wide type with release liner

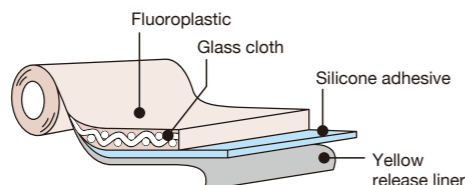
Wide Release liner Glass cloth Fluoroplastic Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE)-impregnated glass cloth. Coming with release liner, it can be widened up to 1000 mm. Users can peel it little by little to work with it. It is suited for large rolls and wide lining treatments.

* Custom processing such as die cutting and other cutting methods is also available upon request.

Structure



Main applications

- Dry roll lining on non-woven fabrics and paper
- Lining on sliding surfaces of chutes and hoppers
- Applications where wide tapes are desired

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)	Maximum width mm (in)	Length m (yd)
AGF-400-3	0.12 (4.7)	1000 (40)	1000 (40)	1~ (from 1)
AGF-500-3	0.13 (5.1)			
AGF-500-4	0.15 (5.9)			
AGF-400-6	0.17 (6.7)			
AGF-500-6	0.18 (7.1)			
AGF-400-10	0.29 (11.4)			
AGF-500-10	0.30 (11.8)			

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGF-400-3	0.12 (4.7)	400 (90)	—	10 (36)	5	200 (390)
AGF-500-3	0.13 (5.1)	400 (90)		11 (39)		
AGF-500-4	0.15 (5.9)	600 (135)		12 (43)		
AGF-400-6	0.17 (6.7)	730 (164)		13 (46)		
AGF-500-6	0.18 (7.1)	730 (164)		13 (46)		
AGF-400-10	0.29 (11.4)	1200 (270)		14 (50)		
AGF-500-10	0.30 (11.8)	1200 (270)		14 (50)		

* Values shown in this table represent measurements and do not constitute guaranteed values.

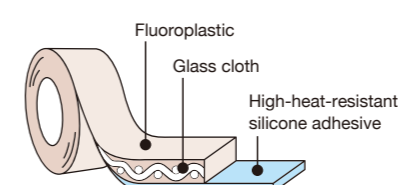
Less prone to peeling under high-temperature conditions, with excellent tack strength

High heat resistance Glass cloth Fluoroplastic Silicone adhesive



Based on the AGF-100FR, the hot adhesion capability has been improved. This tape is less prone to peeling under high-temperature conditions, and especially delivers excellent adhesion.

Structure



Main applications

- Clean release in heat sealers, and vacuum packagers
- Heat sealing under high-temperature conditions
- Clean release on complex-shaped surface of heat sealing

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)	Maximum width mm (in)	Length m (yd)				
AGF-100T	0.13 (5.1)	25 (1)	30 (1 1/4)	38 (1 1/2)	50 (2)	60 (2 3/4)	450 (18)	10 (11)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGF-100T	0.13 (5.1)	380 (85)	—	11 (39)	6	250 (480)

* Values shown in this table represent measurements and do not constitute guaranteed values.

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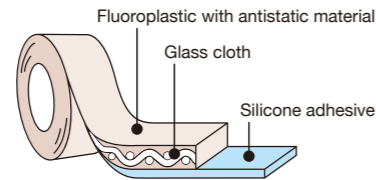
Antistatic type

Antistatic Glass cloth Fluoroplastic Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE)-impregnated glass cloth containing conductive carbon. It provides the heat resistance, slipping characteristics, non-stick, and chemical resistance of fluoroplastics along with antistatic performance.

Structure



Main applications

- Clean release in heat sealers, fusion cutters, and vacuum packagers
- Improvement of sliding in areas where static build up must be minimized such as on film transport rolls, electronic components, and device manufacturing processes

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)					Maximum width mm (in)	Length m (yd)
		13 (1/2)	25 (1)	38 (1 1/2)	50 (2)	—		
AGB-100	0.13 (5.1)	13 (1/2)	25 (1)	38 (1 1/2)	50 (2)	—	450 (18)	10 (11)
	0.18 (7.1)	13 (1/2)	25 (1)	—	50 (2)	100 (4)		

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Surface resistivity (Ω)	Maximum service temperature °C (°F)
AGB-100	0.13 (5.1)	400 (90)	—	11 (39)	10 ⁸ or less	200 (390)
	0.18 (7.1)	730 (164)		13 (46)		

* Values shown in this table represent measurements and do not constitute guaranteed values.

Wide, antistatic type with release liner

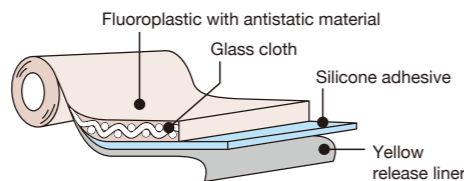
Wide Release liner Antistatic Glass cloth Fluoroplastic Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE)-impregnated glass cloth containing conductive carbon. It provides the heat resistance, slipping characteristics, non-stick, and chemical resistance of fluoroplastics along with antistatic performance. The release liner makes it possible to peel off the film little by little.

* Custom processing such as die cutting and other cutting methods is also available upon request.

Structure



Main applications

- Clean release in heat sealers, fusion cutters, and vacuum packagers
- Improvement of sliding in areas where static build up must be minimized such as on film transport rolls, electronic components, and device manufacturing processes

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)	Maximum width mm (in)	Length m (yd)
AGB-500-6	0.18 (7.1)			

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Surface resistivity (Ω)	Maximum service temperature °C (°F)
AGB-500-3	0.13 (5.1)	400 (90)	—	11 (39)	10 ⁸ or less	200 (390)
AGB-500-6	0.18 (7.1)	730 (164)		13 (46)		

* Values shown in this table represent measurements and do not constitute guaranteed values.

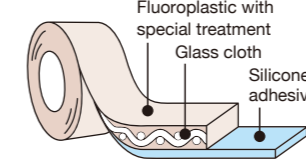
Better releasing, lowest friction, and wear resistance

High clean release characteristics Glass cloth Fluoro-plastic Silicone adhesive



Compared to AGF-100FR, the release characteristics are about 2 to 3 times better and the sliding properties are improved about 10 to 20%. With a thickness of 0.24 mm, this tape also offers better wear resistance, and its service life as a heat seal is more than 4 times longer than that of AGF-100FR.

Structure



Main applications

- Clean release for zipped bags, pillow bags, and standing pouches
- Clean release in pressing plates for cotton, unwoven fabrics, and other materials
- Applications where slipping properties, detaching properties, Surface enlarged and wear resistance are required, and a tape more effective than other AGF series tapes is desired

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)				Maximum width mm (in)	Length m (yd)
		25 (1)	30 (1 3/8)	50 (2)	60 (2 3/8)		
AGF-101	0.16 (6.3)	25 (1)	30 (1 3/8)	50 (2)	60 (2 3/8)	450 (18)	10 (11)
	0.24 (9.4)						

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGF-101	0.16 (6.3)	540 (121)	—	11 (39)	8	200 (390)
	0.24 (9.4)	1000 (225)		13 (46)		

* Values shown in this table represent measurements and do not constitute guaranteed values.

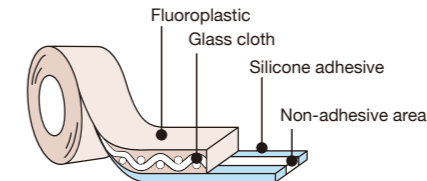
Zone tape

Centerless Glass cloth Fluoroplastic Silicone adhesive



This is a fluoroplastic adhesive tape that is essentially the same as AGF-100FR except that its center area has been left adhesive-free. Since the adhesive (green) does not come into direct contact with the heater part of the heat sealer, the heater is less likely to be dirty, and its service life is extended.

Structure



Main applications

- Clean release in heat sealers
- Clean release in pressing plates for cotton, unwoven fabrics, and other materials
- Covering for heating elements

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)	Maximum width mm (in)	Length m (yd)
AGF-102	0.13 (5.1)	38 (1 1/2) (Non-adhesive area: 20 (25/32)) 50 (2) (Non-adhesive area: 20 (25/32))	50 (2)	10 (11)

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGF-102	0.13 (5.1)	380 (85)	—	9 (32)	—	200 (390) (Adhesive part)

* Values shown in this table represent measurements and do not constitute guaranteed values.
* The adhesive force represents that of the areas with adhesive. * The maximum service temperature of the base material is 260°C.
* The total thickness is the total thickness of the area where adhesive is applied.

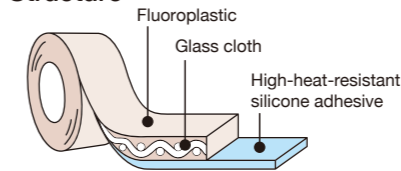
Much greater release characteristics compared to AGF-100FR

High heat resistance High clean release characteristics Glass cloth Fluoro-plastic Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of fluoroplastic-impregnated glass cloth. Although the cloth texture is the same as that of AGF-100 FR, this product has much better release characteristics than AGF-100 FR.

Structure



Main applications

- Clean release in heat sealers
- Clean release in fusion cutter's mechanoreceptors
- Clean release in heat pressing for cotton, unwoven fabrics, and other materials
- Other applications where higher clean release characteristics are required

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)				Maximum width mm (in)	Length m (yd)
		13 (1/2)	19 (3/4)	25 (1)	50 (2)		
AGF-103T	0.13 (5.1)	13 (1/2)	19 (3/4)	25 (1)	50 (2)	560 (22)	10 (11)
	0.18 (7.1)						

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGF-103T	0.13 (5.1)	360 (81)	—	9 (32)	5	250 (480)
	0.18 (7.1)	700 (157)		11 (39)		

* Values shown in this table represent measurements and do not constitute guaranteed values.

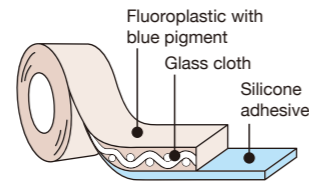
Blue type with improved visibility

Distinguish-ability Glass cloth Fluoroplastic Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of blue-colored fluoroplastic (PTFE)-impregnated glass cloth. Its blue-colored surface improves distinguishability from works, therefore, it can be easily recognized as a foreign object in case of breakage.

Structure



Main applications

- Applications where more noticeability than that of AGF-100FR is preferable
- Applications where distinguishment of this tape from other adhesive ones by product or process is preferable
- Enhancement of non-sticking and slipping properties during the food manufacturing process

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
AGF-100 BLUE	0.16 (6.3)	25 (1)	50 (2)	450 (18)	10 (11)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGF-100 BLUE	0.16 (6.3)	460 (103)	—	11 (39)	6	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

Orange type for identification of high-voltage wiring

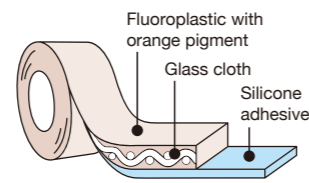
Distinguish-ability Glass cloth Fluoroplastic Silicone adhesive



This adhesive tape consists of silicone adhesive applied to a base material made of fluoroplastic (PTFE)-impregnated orange-dyed glass cloth. In addition to various characteristics of fluoroplastic adhesive tape, the orange coloring makes it ideal for identification of high-voltage wiring in electric vehicles (EVs).

UL510A certified

Structure



Main applications

- Identification of high-voltage wiring in electric vehicle (EV)
- Electrical insulation covering for cables

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
AGF-100FR ORANGE	0.11 (4.3)	19 (¾)		100 (4)	30 (33)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGF-100FR ORANGE	0.11 (4.3)	285 (64)	—	9 (32)	6	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

Cushioning material for suction processes for parts

Release liner Air-permeable Glass cloth Fluoro-plastic Acrylic adhesive

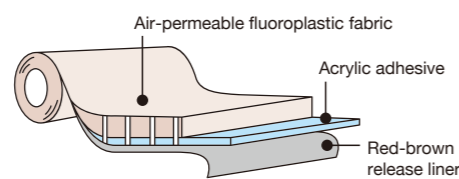


This product consists of acrylic adhesive applied to air-permeable glass cloth that has been impregnated with fluoroplastic (PTFE).

Its air-permeability makes it the optimum cushioning material for use in suction processes.

* Cutting process is also available upon request.

Structure



Main applications

- Cushioning material for use in suction-holding of plate format products in manufacturing electronic components and devices

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
AGB-207-6-1	0.11 (4.3)	480 (19)	1000 (40)	1000 (40)	1~ (from 1)

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Air-permeability (cm³/cm²·s)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGB-207-6-1	0.11 (4.3)	450 (101)	15	—	1.2 (4.3)	—	80 (176)

* Values shown in this table represent measurements and do not constitute guaranteed values.

CHUKOH FLO™

Polyimide adhesive tapes



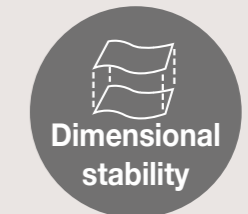
Has top-class heat and cold resistance among plastics



Has stable electrical characteristics over a wide temperature range

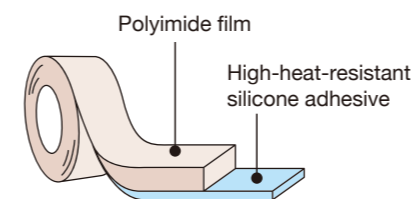


Has a stable molecular structure and is inert to most chemicals with a few exceptions

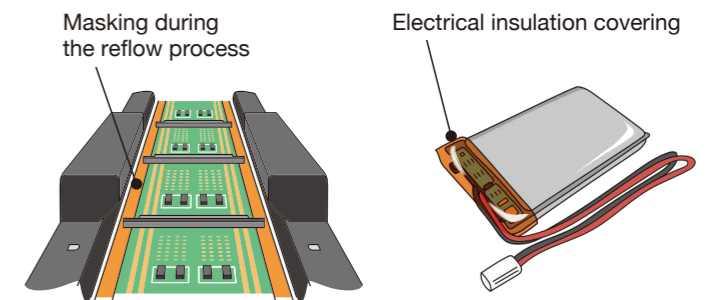


Has the low linear expansion coefficient, maintaining its dimensions even under high-temperature environment

Basic structure



Application example

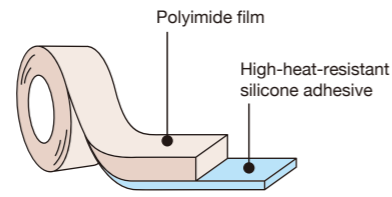


Standard polyimide adhesive tape

High heat resistance Polyimide film Silicone adhesive



Structure



Main applications

- Electrical insulation at high temperatures
- Heat resistant masking for soldering and other processes

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)			Maximum width mm (in)	Length m (yd)
API-114A FR	0.06 (2.4)	13 (1/2)	19 (3/4)	25 (1)	450 (18)	10 (11)
	0.08 (3.1)					20 (22)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
API-114A FR	0.06 (2.4)	125 (28)	35	6 (21)	7	250 (480)
	0.08 (3.1)	240 (54)		7 (25)	10	

* Values shown in this table represent measurements and do not constitute guaranteed values.

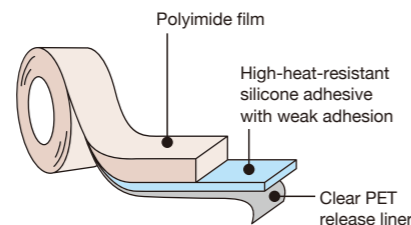
UL510A certified
UL temperature rating 200°C

Weak adhesion type, leaving little glue residue

High heat resistance Release liner Polyimide film Silicone adhesive



Structure



Main applications

- Electrical insulation covering
- Heat-resistant masking
- Electrical wiring covering
- Insulation for electrical equipment

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)	Maximum width mm (in)	Length m (yd)
API-117G	0.035 (1.4)	—	450 (18)	10 (11)

* Tapes can be slit to widths up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
API-117G	0.035 (1.4)	186 (42)	73	0.5 (1.8)	6	250 (480)

* Values shown in this table represent measurements and do not constitute guaranteed values.

This tape consists of highly heat-resistant silicone adhesive with weak adhesion applied to a base material made of polyimide film. Since it leaves little glue residue, this tape is ideal for masking in high-temperature environment.

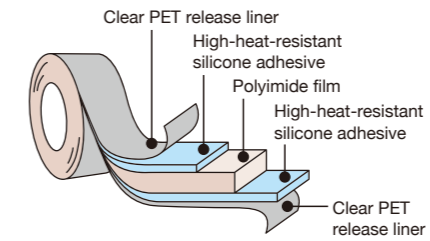
* Custom processing such as die cutting, kiss cutting, and other cutting methods is also available upon request.

Double-sided tape for high temperature

High heat resistance Release liner Double-sided tape Polyimide film Silicone adhesive



Structure



Main applications

- Temporary holding under high-temperature conditions
- Temporary holding during solder reflow
- Slip prevention under high-temperature conditions

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
API-214A	0.085 (3.3)	25 (1)	50 (2)	450 (18)	10 (11)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

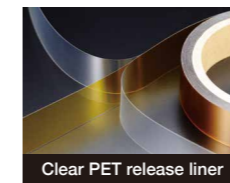
Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
API-214A	0.085 (3.3)	125 (28)	35	5 (18)	8	250 (480)

* Values shown in this table represent measurements and do not constitute guaranteed values.

This tape consists of high heat resistance silicone adhesive applied to both sides of a base material made of polyimide film.

Both base material and adhesive provide excellent heat resistance, making this tape an optimum choice for temporarily holding items under high temperature conditions.

* Custom processing such as die cutting, kiss cutting, and other cutting methods is also available upon request.

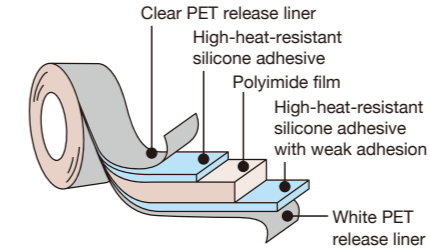


Double-sided tape with strong/weak adhesive sides for temporary holding

High heat resistance Release liner Double-sided tape Polyimide film Silicone adhesive



Structure



Main applications

- Temporary holding during reflow and other high-temperature processes
- Slip prevention under high-temperature conditions

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)	Maximum width mm (in)	Length m (yd)
API-214AE	0.175 (6.9)	—	400 (16)	10 (11)

* Tapes can be slit to widths up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
API-214AE	0.175 (6.9)	240 (54)	35	Light adhesive side 0.15 (0.54)	10	250 (480)
				Strong adhesive side 7 (25)		

* Values shown in this table represent measurements and do not constitute guaranteed values.

This tape consists of silicone adhesive with excellent heat resistance applied to both sides of a base material made of polyimide film.

As the one side has light adhesion, this tape is optimum for holding items temporarily under high-temperature conditions.

* Custom processing such as die cutting, kiss cutting, and other cutting methods is also available upon request.

CHUKOH FLO™

UHMW-PE adhesive tapes



Wear resistance

Has a large molecular weight and significantly superior abrasion resistance among plastics



Lowest friction

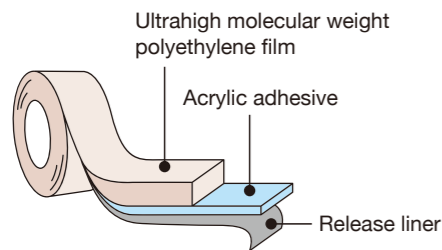
Has a small coefficient of dynamic friction and lowest friction second only to fluoroplastic



Chemical resistance

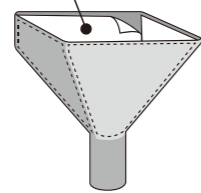
Has a stable molecular structure, and is not easily affected by chemicals

Basic structure

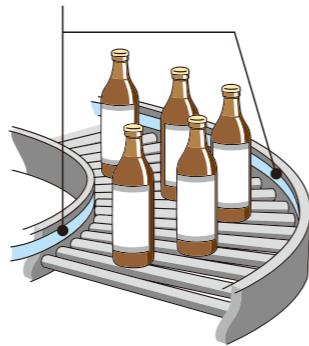


Application example

Lining of hoppers



Transport rail



UHMW-PE adhesive tape with excellent wear resistance and lowest friction

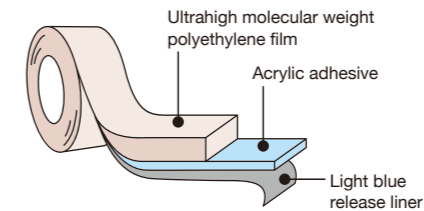
Release liner Ultrahigh molecular weight polyethylene Acrylic adhesive



This tape consists of acrylic adhesive applied to a base material made of ultrahigh molecular weight (UHMW) polyethylene film. It provides excellent wear resistance and lowest friction that are second only to fluororesin.

* Custom processing such as die cutting and other cutting methods is also available upon request.

Structure



Main applications

- Hoppers for sand, sugar, grain and other hard materials
- Slippage enhancement at corner areas of transport rails for bottles and cargo
- Lining for conveyor guides
- Supplementary sliding surfaces on skis and snowboards

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)			Maximum width mm (in)	Length m (yd)
		19 (3/4)	25 (1)	50 (2)		
AUE-112B	0.18 (7.1)	—	25 (1)	50 (2)	500 (20)	40 (44)
	0.30 (11.8)		25 (1)	50 (2)		20 (22)
	0.55 (21.7)					

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AUE-112B	0.18 (7.1)	210 (47)	350	10 (36)	19	80 (176)
	0.30 (11.8)	400 (90)	360		25	
	0.55 (21.7)	740 (166)	390		34	

* Values shown in this table represent measurements and do not constitute guaranteed values.

Antistatic type

Antistatic Release liner Ultrahigh molecular weight polyethylene Acrylic adhesive

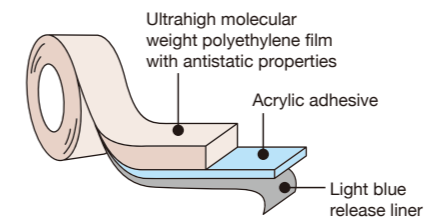


This tape consists of acrylic adhesive applied to a base material made of ultrahigh molecular weight (UHMW) polyethylene film containing conductive carbon.

In addition to the lowest friction and wear resistance characteristic of UHMW polyethylene, it also has an antistatic effect.

* Custom processing such as die cutting and other cutting methods is also available upon request.

Structure



Main applications

- Product transport process
- Improvement of slipping properties and wear resistance for the sliding part

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
AUB-112B	0.16 (6.3)	25 (1)	50 (2)	270 (10 3/4)	20 (22)
	0.28 (11.0)				

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Surface resistivity (Ω)	Maximum service temperature °C (°F)
AUB-112B	0.16 (6.3)	170 (38)	300	11 (39)	4.4×10 ⁴	80 (176)
	0.28 (11.0)	300 (67)				

* Values shown in this table represent measurements and do not constitute guaranteed values.

CHUKOH FLO™

Silicone adhesive tapes



Gripping properties

Has the tacking property, offering anti-slip properties



Non-stick property

Has the property of not sticking to most materials



Heat resistance

Has a stable molecular structure even under high-temperature environments, so its properties remain almost unchanged



Insulation

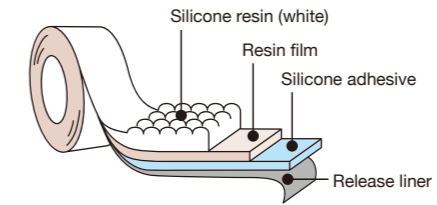
Has an excellent electrical insulation and stable characteristics over a wide temperature range

Ideal tape for stopping slippage and preventing sticky materials from adhering

Release liner Silicone adhesive Silicone resin



Structure



Main applications

- Roll masking during adhesive or glue treatments
- Adding traction power to feeder rollers for films, unwoven fabrics, etc.
- Temporary holding and fall prevention during product transport

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
ACH-6000	0.70 (27.6)	50 (2)	100 (4)	100 (4)	10 (11) • 25 (27)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ACH-6000	0.70 (27.6)	—	—	5 (18)	11	130 (266)

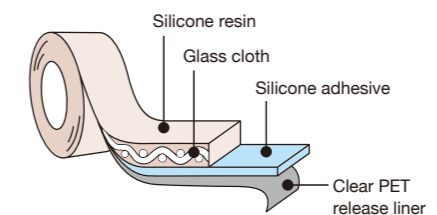
* Values shown in this table represent measurements and do not constitute guaranteed values.

Heat-resistant silicone adhesive tape ideal for adding gripping properties

Release liner Glass cloth Silicone adhesive Silicone resin



Structure



Main applications

- Roll masking during adhesive or glue treatments
- Adding traction power to feeder rollers for films, unwoven fabrics, etc.
- Temporary holding and fall prevention during product transport

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
ACH-6100	0.28 (11.0)	25 (1)	50 (2)	300 (12)	25 (27)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

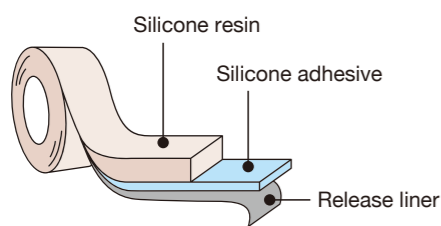
Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ACH-6100	0.28 (11.0)	790 (178)	—	3 (11)	8	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

This tape consists of silicone adhesive applied to a base material made of silicone-coated glass cloth. It offers excellent gripping performance and heat resistance, and can be used under high-temperature conditions.

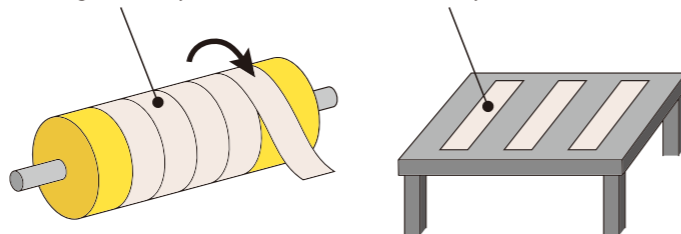


Basic structure



Application example

Adding traction power to feeder rollers Fall prevention



Glass cloth/polyester adhesive tapes

Glass cloth adhesive tape with excellent mechanical strength

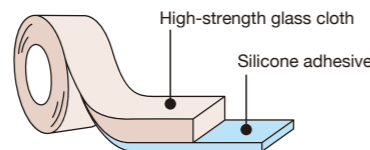
High-strength glass cloth Silicone adhesive



This tape consists of silicone adhesive applied to a base material made of high-strength glass cloth. It provides excellent flexibility and heat resistance making it a useful choice for insulation and bundling under high-temperature conditions.

UL510A certified
UL temperature rating 200°C

Structure



Main applications

- Insulation for electrical equipment
- Temporary holding and protection under high-temperature conditions

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)							Maximum width mm (in)	Length m (yd)
		13 (1/2)	19 (3/4)	25 (1)	38 (1 1/2)	50 (2)	100 (4)			
ACH-5001 FR	0.20 (7.9)	13 (1/2)	19 (3/4)	25 (1)	38 (1 1/2)	50 (2)	100 (4)	500 (20)	10 (11)	

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ACH-5001 FR	0.20 (7.9)	700 (157)	—	10 (36)	6	200 (390)

* Values shown in this table represent measurements and do not constitute guaranteed values.

Polyester adhesive tape optimized for splicing

Polyester Silicone adhesive

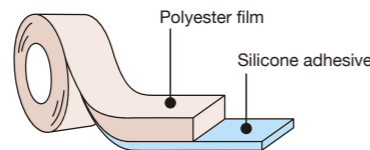


This tape consists of silicone adhesive applied to a base material made of black polyester film.

This tape has excellent heat resistance, insulation, and chemical resistance, making it ideal for various masking applications.

It also provides excellent adhesion on silicone-coated products so it can be used to splice release paper.

Structure



Main applications

- Heat-resistant masking
- Insulated masking
- Splicing release paper

Dimensions

Product code	Total thickness mm (mil)	Standard width mm (in)		Maximum width mm (in)	Length m (yd)
		25 (1)	50 (2)		
ACH-5201A	0.055 (2.2)	25 (1)	50 (2)	450 (18)	33 (36)

* Tapes can be slit to widths not shown above up to the maximum width.
* Inch and yard sizes are for reference only.

Properties

Product code	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ACH-5201A	0.055 (2.2)	80 (18)	50	7 (25)	6	130 (266)

* Values shown in this table represent measurements and do not constitute guaranteed values.

Testing methods

Adhesion (180° peel test)

Measurement method	180° peel test (25 mm in width)
Adhesion area	25 mm width x 150 mm (1 inch width x 6 inch)
Test speed	300 mm/min
Base plate	SUS plate

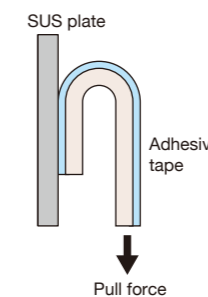
- Move a 2 kg rubber roll back and forth to press and adhere the tape.
- Measure the pull force exerted when the tape comes off by 100 mm.

Holding power

Temperature	AGF-100A	AGF-100 FR
200°C (390°F)	Min. 360 h	Max. 1 h
250°C (480°F)	Min. 360 h	Max. 2 min (0.08 in)

Specimen thickness 0.13 mm
Adhesion area 25 mm x 25 mm

- At each temperature, measure the time until the constant loaded tape comes off the stainless steel plate.
- The figures in the table are measured, not guaranteed values.
- The holding power may slightly differ depending on the material of the adherend.



Tensile strength

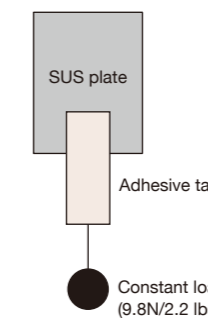
Pull the adhesive tape at a speed of 50 mm/min in the longitudinal direction, and measure the force when it breaks.

Elongation

Pull the adhesive tape at a speed of 50 mm/min in the longitudinal direction, and measure the length that has been extended until it breaks.

Breakdown voltage

Sandwich the adhesive tape between the electrodes, and increase the voltage until it breaks down (electricity flows through); measure the value at that point.



Certifications

ISO 9001 and 14001 certified

Chukoh Chemical Industries, Ltd. has been certified under ISO 9001 and 14001, which are international standards for quality and environmental management.

Scope of registration

Design, manufacture, and sale of products containing fluororesin and products with fluororesin or silicone resin coatings. Design and management of consignment manufacturing of biodegradable resin products.

UL standard certification

CHUKOH FLO™ Adhesive Tape

AGF-100 FR	ASF-110 FR	ASF-116T FR	API-114A FR
AGF-100FR ORANGE	ASF-121 FR	ASF-118A FR	ACH-5001 FR

The above are UL510A-certified products.

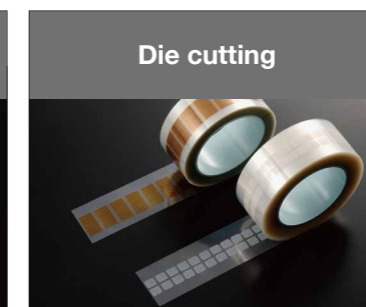
About the notation of Teflon™

Teflon™ is a trademark of The Chemours Company FC, LLC. Used under license by Chukoh Chemical Industries, Ltd.



Processing

Tape products can be customized and specially processed to meet your specific needs.



Release liner

Core diameters (1.5-inch/3-inch)

Acrylic adhesive

General properties of fluoroplastic

Fluoroplastics is a general term for plastic materials that contain fluorine atoms. Nine types of materials, such as PTFE and PFA, are included.

For more information, please see the "About Fluoropolymer (Teflon™)" section on our website.



Fluoroplastic film adhesive tapes

Product code	Base material	Adhesive type	Coming with release liner	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)	
ASF-110 FR	PTFE film	Silicone	—	0.08 (3.1)	70 (16)	180	7 (25)	10	200 (390)	
				0.13 (5.1)	160 (36)		8 (29)	15		
				0.18 (7.1)	250 (56)		9 (32)	18		
				0.23 (9.1)	340 (76)		10 (36)	21		
ASF-110 with release liner	PTFE film	Silicone	○	0.08 (3.1)	70 (16)	180	7 (25)	10	200 (390)	
				0.13 (5.1)	160 (36)		8 (29)	15		
				0.18 (7.1)	250 (56)		9 (32)	18		
				0.23 (9.1)	340 (76)		10 (36)	21		
ASF-121 FR	PTFE film	Silicone	—	0.08 (3.1)	90 (20)	150	7 (25)	9	200 (390)	
				0.13 (5.1)	160 (36)		9 (32)	13		
				0.18 (7.1)	250 (56)		10 (36)	16		
				0.23 (9.1)	300 (67)		10 (36)	18		
ASF-121T	PTFE film	Silicone	○	0.08 (3.1)	90 (20)	150	6 (21)	9	250 (480)	
				0.13 (5.1)	160 (36)		220	7 (25)		13
				0.18 (7.1)	250 (56)		220	9 (32)		16
				0.23 (9.1)	300 (67)		220	9 (32)		18
ASB-110	Antistatic PTFE film	Silicone	—	0.13 (5.1)	70 (16)	340	8 (29)	—	200 (390)	
ASB-121	Antistatic PTFE film	Silicone	—	0.08 (3.1)	70 (16)	130	6 (21)	—	200 (390)	
ASF-110B	PTFE film	Acrylic	—	0.13 (5.1)	160 (36)	180	9 (32)	15	80 (176)	
ASF-121P	PTFE film	Heat-resistant acrylic	—	0.06 (2.4)	90 (20)	150	5 (18)	9	180 (356)	
ASF-119T	Embossed PTFE film	Silicone	—	0.35 (13.8)	—	—	8 (29)	12	200 (390)	
ASF-121 (TeCut™)	PTFE film	Silicone	—	0.13 (5.1)	—	—	9 (32)	13	200 (390)	
ASF-115 (MX)	High-strength, low-stretch PTFE film	Silicone	—	0.10 (3.9)	135 (30)	40	7 (25)	11	200 (390)	
ASF-125A (MX)	Ultrahigh-strength, low-stretch PTFE film	High-heat-resistant silicone	—	0.10 (3.9)	250 (56)	60	6 (21)	12	250 (480)	
ASF-118A FR	Special reinforced PTFE film	High-heat-resistant silicone	—	0.10 (3.9)	220 (49)	70	7 (25)	10	250 (480)	
ASF-116T FR	Ultra-thin PTFE film	Silicone	—	0.04 (1.6)	40 (9)	110	3 (11)	5	200 (390)	
ASF-130T	PTFE porous film	High-heat-resistant silicone	—	1.0 (39.4)	245 (55)	45	10 (36)	10	250 (480)	
AFA-113A	PFA film	Silicone	○	0.10 (3.9)	50 (11)	400	6 (21)	10	200 (390)	

Polyimide adhesive tapes

Product code	Base material	Adhesive type	Coming with release liner	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
API-114A FR	Polyimide film	High-heat-resistant silicone (single-sided)	—	0.06 (2.4)	125 (28)	35	6 (21)	7	250 (480)
				0.08 (3.1)	240 (54)		7 (25)	10	
API-117G	Polyimide film	High-heat-resistant silicone (single-sided)	○	0.035 (1.4)	186 (42)	73	0.5 (1.8)	6	250 (480)
API-214A	Polyimide film	High-heat-resistant silicone (double-sided)	○	0.085 (3.3)	125 (28)	35	5 (18)	8	250 (480)
API-214AE	Polyimide film	High-heat-resistant silicone (double-sided)	○	0.175 (6.9)	240 (54)	35	Light adhesive side 0.15 (0.54) Strong adhesive side 7 (25)	10	250 (480)

Silicone adhesive tapes

Product code	Base material	Adhesive type	Coming with release liner	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ACH-6000	Embossed silicone + film	Silicone	○	0.70 (27.6)	—	—	5 (18)	11	130 (266)
ACH-6100	Silicone + glass cloth	Silicone	○	0.28 (11.0)	790 (178)	—	3 (11)	8	200 (390)

Fluoroplastic glass cloth adhesive tapes

Product code	Base material	Adhesive type	Coming with release liner	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AGF-100 FR	PTFE + glass cloth	Silicone	—	0.13 (5.1)	360 (81)	—	9 (32)	6	200 (390)
				0.15 (5.9)	530 (119)		11 (39)		
				0.18 (7.1)	860 (193)		13 (46)		
				0.30 (11.8)	1220 (274)		14 (50)		
AGF-400-3	PTFE + glass cloth	Silicone	○	0.12 (4.7)	400 (90)	—	10 (36)	5	200 (390)
AGF-500-3				0.13 (5.1)	400 (90)		11 (39)		
AGF-500-4				0.15 (5.9)	600 (135)		12 (43)		
AGF-400-6				0.17 (6.7)	730 (164)		13 (46)		
AGF-500-6				0.18 (7.1)	730 (164)		13 (46)		
AGF-400-10				0.29 (11.4)	1200 (270)		14 (50)		
AGF-500-10				0.30 (11.8)	1200 (270)		14 (50)		
AGF-100A	PTFE + glass cloth	High-heat-resistant silicone	—	0.13 (5.1)	360 (81)	—	10 (36)	6	250 (480)
				0.15 (5.9)	530 (119)		10 (36)		
				0.18 (7.1)	860 (193)		11 (39)		
				0.30 (11.8)	1220 (274)		12 (43)		
AGF-100T	PTFE + glass cloth	High-heat-resistant silicone	—	0.13 (5.1)	380 (85)	—	11 (39)	6	250 (480)
AGB-100	PTFE + glass cloth with antistatic material	Silicone	—	0.13 (5.1)	400 (90)	—	11 (39)	—	200 (390)
				0.18 (7.1)	730 (164)		13 (46)		
AGB-500-3	PTFE + glass cloth with antistatic material	Silicone	○	0.13 (5.1)	400 (90)	—	11 (39)	—	200 (390)
				0.18 (7.1)	730 (164)		13 (46)		
AGF-101	PTFE + glass cloth	Silicone	—	0.16 (6.3)	540 (121)	—	11 (39)	8	200 (390)
				0.24 (9.4)	1000 (225)		13 (46)		
AGF-102	PTFE + glass cloth	Silicone	—	0.13 (5.1)	380 (85)	—	9 (32)	—	200 (390) (Adhesive part)
				0.18 (7.1)	700 (157)		11 (39)		
AGF-103T	PTFE with special treatment + glass cloth	High-heat-resistant silicone	—	0.13 (5.1)	360 (81)	—	9 (32)	5	250 (480)
				0.18 (7.1)	700 (157)		11 (39)		
AGF-100 BLUE	PTFE containing blue pigment + glass cloth	Silicone	—	0.16 (6.3)	460 (103)	—	11 (39)	6	200 (390)
AGF-100FR ORANGE	PTFE containing orange pigment + glass cloth	Silicone	—	0.11 (4.3)	285 (64)	—	9 (32) ^{*1}	6	200 (390)
AGB-207-6-1	Air-permeable fabric (PTFE + glass cloth)	Acrylic	○	0.11 (4.3)	450 (101)	—	1.2 (4.3)	—	80 (176)

UHMW-PE adhesive tapes

Product code	Base material	Adhesive type	Coming with release liner	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
AUE-112B	Ultrahigh molecular weight polyethylene film	Acrylic	○	0.18 (7.1)	210 (47)	350	10 (36)	19	80 (176)
				0.30 (11.8)	400 (90)			25	
				0.55 (21.7)	740 (166)			34	
AUB-112B	Ultrahigh molecular weight polyethylene film with antistatic properties	Acrylic	○	0.16 (6.3)	170 (38)	300	11 (39)	—	80 (176)
				0.28 (11.0)	300 (67)				

Glass cloth adhesive tape

Product code	Base material	Adhesive type	Coming with release liner	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ACH-5001 FR	High-strength glass cloth	Silicone	—	0.20 (7.9)	700 (157)	—	10 (36)	6	200 (390)

Polyester adhesive tape

Product code	Base material	Adhesive type	Coming with release liner	Total thickness mm (mil)	Tensile strength N/25 mm (lbs/in)	Elongation (%)	Adhesion/180° peel test N/25 mm (oz/in)	Breakdown voltage (kV)	Maximum service temperature °C (°F)
ACH-5201A	Polyester film	Silicone	—	0.055 (2.2)	80 (18)	50	7 (25)	6	130 (266)

*1 The adhesion of AGF-100FR ORANGE was measured using 90°C peel test (N/25 mm).
* Values shown in this table represent measurements and do not constitute guaranteed values.

