



Extruded EVA Barrier

Extruded EVA Barrier (EVA16) is a noise control material specifically designed to achieve maximum attenuation over a broad frequency range. **EVA 16** is a low cost, dense, limp, flexible, non-lead loaded EVA based barrier designed by acoustical engineers, **EVA 16** has been optimized to economically provide:

High Transmission Loss – the barrier’s ability to impede airborne noise

Tough Tear Resistance – the barrier resists tearing without reinforcement and can be post formed to suit the dimension of the application

EVA 16 is available in rolls, sheets, die cut or fabricated to the customers specifications or can be easily field cut with a knife or scissors

Material - Physical Properties

Color: Black

Basis Weight: 16oz/ ft² (4.9 Kg/m²)

Available Weight Range: 0.5 to 2 lb /ft²(2.5 - 9.8Kg/m²)

Specific Gravity: ASTM D792 1.8

Tear Strength:

MD 60 lb/in-min (18 kg/m-s).

AMD 55 lb/in-min (16 kg/m-s) ASTM D624, Die C

Tensile Strength:

MD 290 lb/sq in. min.(2000 kPa min)

AMD 335 lb/sq in. min.(2300 kPa min), ASTM D 412, Die C

Peel Strength: 2.2 lb/in-min.(0.66 kg/m-s), ASTM D903

Elongation:

MD 350%,

AMD 500%, ASTM D412, Die C

Flammability: MVSS 302 –PASS

UL94 - HB

Cold Crack: 1"(25mm) mandrel at -4°F(-20°C) - PASS

Shrinkage: 175°F(80°C) 14 Days – 1%

Tolerances: ±10% for basis weight and material thickness, ±0.5" (±12mm) for sheet dimensions or roll width and ±5ft(1500mm) on roll length

Acoustical Properties

Barrier Weight lb/ft ² (Kg/m ²)	Frequency (Hz)						STC
	125	250	500	1K	2 K	4 K	
0.5(2.5)	5	9	15	21	27	33	19
0.75(3.4)	8	12	18	24	30	36	23
1(4.9)	10	15	21	27	33	39	25
2(9.8)	15	21	27	33	39	45	31
ASTM E90	Sound Transmission Loss dB						