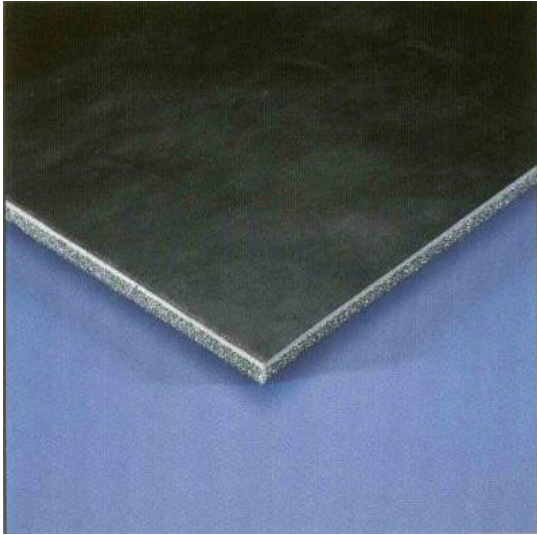


Technical Data Sheet

Extruded Barrier



Extruded Barrier (EB 16) is a noise control material specifically designed to achieve maximum attenuation over a broad frequency range. **EB 16** is a dense, limp, flexible, non-lead loaded copolymer based barrier which can be combined with Hushcloth® foams to provide a total noise control system.

Designed by acoustical engineers, **EB 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

EB 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 (5 Kg/m²)

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

Specific Gravity: 1.8 ASTM D792

Hardness: 81 ASTM D2240 Shore A

Stiffness: 25 MPa ASTM D747

Tear Strength:

MD 90 lb/in-min (27 kg/m-s).

AMD 85 lb/in-min (25 kg/m-s) ASTM D624, Die C

Tensile Strength:

MD 430 lb/sq in. min.(3000 kPa min)

AMD 415 lb/sq in. min.(2850 kPa min), ASTM D 412, Die C

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

Elongation:

MD100%,

AMD 130%, ASTM D412, Die C

Flammability: MVSS 302 –PASS

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

Shrinkage: 300°F/15 min – 3.5%

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	Frequency (Hz)						
	125	250	500	1K	2 K	4 K	STC
lb/ft ² (Kg/m ²)							
0.5(2.5)	8	13	17	22	27	31	20
0.75(3.4)	11	16	20	25	30	34	23
1(4.9)	13	17	22	26	32	37	26
ASTM E90-75	Sound Transmission Loss dB						