

Barriers

E-A-R Specialty Composites offers a complete line of TUF COTE® sound barriers to meet the physical and performance requirements of virtually any application.

One of the most effective means to control the transmission of airborne noise, TUF COTE barriers are avail-

able in a variety of formulations, with facings that enhance ease of installation and resistance to contaminants and flame.

- Lead-free construction
- Tough, flexible and flame resistant, with excellent physical properties

- Styles available in .5, .75, 1 and 1.5 lb/ft² weights, with sound transmission class (STC) ratings from 21 to 29
- Available with a variety of facings
- Available in composite forms with acoustical foams

2

Typical Properties

Property	WB-10	LAG-10	MB-100	EMB-100
Description	Non-Reinforced Vinyl	Aluminized Scrim Reinforced Vinyl	27 mil Fiberglass Faced Vinyl	5 mil Coated Fiberglass Faced Vinyl
Weight Nominal kg/m² (lb/ft²) ASTM D792	4.9 (1.0)	4.9 (1.0)	4.9 (1.0)	4.9 (1.0)
Thickness cm (in) ASTM D792	.196 (.077)	.229 (0.09)	.254 (.100)	.203 (0.08)
Density Nominal kg/m³ (lb/ft³) ASTM D792	2403 (150)	2082 (130)	2002 (125)	2323 (145)
Flammability UL 94	Listed V-0	Meets V-0	Meets V-0	Meets V-0
FMVSS-302	Meets	Meets	Meets	Meets
ASTM E162 Flame Spread Index		1	25	46
Canadian Stds. Assn. (CSA)	Listed 0.6 V-0	Listed 0.6 V-0	Listed 0.6 V-0	Listed 0.6 V-0
Sound Transmission Loss (dB) (T-tested; C-calculated) ASTM E90-87 and ASTM E413-87	T	T	T	C
@ 125 Hz	15	15	10	15
@ 250 Hz	16	16	18	17
@ 500 Hz	21	21	22	22
@ 1000 Hz	26	26	27	28
@ 2000 Hz	33	33	32	33
@ 4000 Hz	38	38	37	40
STC	26	26	26	27
Tensile Strength kPa (psi) ASTM D638	3344 (485)	2758 (400)	47457 (6883)	17037 (2471)
Tear Strength kN/m (lbf/in) ASTM D1004	16 (92)	25 (144)	207 (1180) Fill	224 (1280) Warp 28 (162)
Elongation (%) ASTM D638	152	6	3	7
Temperature Range C (F) Peak Performance	-18C to 82C (0F to 180F)	-23C to 82C (-10F to 180F)	-34C to 82C (-30F to 180F)	-34C to 82C (-30F to 180F)
RoHS Compliant	Yes	Yes	Yes	Yes

The data listed in this materials summary are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.