

Barrier Composites

TUFCOTE™ barrier and barrier absorber composites incorporate the sound absorption properties of TUFCOTE acoustical foams with the sound barrier properties of TUFCOTE barrier materials to provide highly effective noise control and installation efficiency in a wide range of applications.

Easy and economical to install, barrier absorber composites are ideal for lining vehicle compartments, generator covers and machinery and equipment enclosures, where the durable facings provide protection from dirt, oil and grease.

TYPICAL PROPERTIES		
PROPERTY	E-0-10-25	R-803-25-10-100 SM
Description	2-layer	3-layer
Decoupler	6.4mm (0.25 in) Polyether Urethane Foam	6.4mm (0.25 in) Polyether Urethane Foam
Barrier	5 kg/m ² (1 lb/ft ²) Vinyl	5 kg/m ² (1 lb/ft ²) Urethane
Absorber	N/A	2.54 cm (1 in) Polyether Urethane Foam Faced with Aluminized Polyester
Thickness mm (in)	7.6 (0.30)	36 (1.35)
Weight Nominal kg/m² (lb/ft²)	5.01 (1.02)	5.40 (1.10)
Flammability UL 94	Composite listed V-0 & 5VA	Faced foam listed HBF
FMVSS-302	Meets	Meets
Tensile Strength kPa (psi) Barrier, ASTM D638	3344 (485)	8966 (1300)
Tear Strength kN/m (lbf/in) Barrier, ASTM D1004	16 (92)	37 (211)
Temperature Range C (F) Recommended Service Temperature	-30C to 82C (-22F to 180F)	-34C to 93C (-29F to 199F)
RoHS Compliant	Yes	Yes

The data listed in this data sheet 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.

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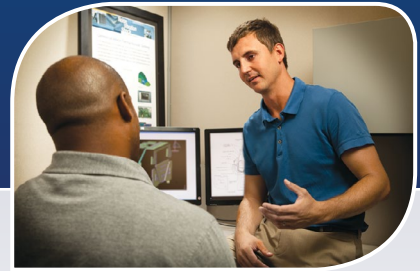
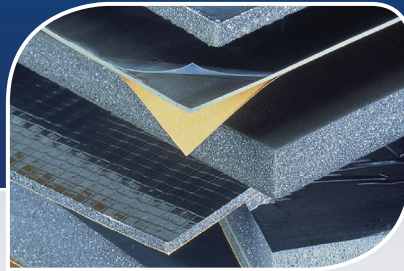
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Material Summary Sheet 3



Offering solutions for a wide range of applications such as...

- Commercial vehicles
- Machinery enclosures
- Generators
- HVAC systems

