





## DESCRIPTION

	Reinforced Aluminum Foil
	Open Cell Foam
	PVC Barrier
	Open Cell Foam

Consists of:

- 1 Reinforced foil facing
- 2 ¾" open cell sound absorbing foam
- 3 1.0 lb/ft<sup>2</sup> barrier
- 4 ¼" open cell foam decoupler

(Other barrier weights and foam thicknesses available – contact Sales for more information)

## APPLICATIONS

- Custom engineered for application in a generator set compartment where a combination of mid to high frequency sound absorption and sound transmission loss are required.
- The composite is faced with a heat reflecting reinforced foil facing which acts as both a diaphragm to tune the absorber and as protection against moisture and other contaminants.
- Applications would include engine compartment treatments of generator sets and commercial, off highway, military, and utility vehicles..



## TYPICAL VALUES

### 1. Reinforced Foil Facing TRL(1)

Characteristic:	Typical Value:
Type:	Reinforced Aluminum Foil
Thickness:	0.7 mil (0.0007 in)
Scrim:	Bi-direction Fiberglass Strand
Backing:	1.25 mil Polyethylene

### 2/4. Ester Foam

Characteristic:	Typical Value:
Type:	Polyester Urethane
Density:	2.0 lb/ft <sup>3</sup>
Tensile:	15 psi (ASTM D3574 Die A)
Elongation:	170% (ASTM D3574 Die A)
Tear:	2.0 lb/in (ASTM D3574)
Thermal Conductivity:	0.27 BTU-in/hr-ft <sup>2</sup> °F
Flammability:	UL 94 HF1

### 3. PVC Barrier

Characteristic:	Typical Value:
Type:	PVC
Specific Gravity:	2.5
Flexibility:	Very Limp

### Composite

Characteristic:	Typical Value:
Lamination of Layers:	Thermal Bond - No Adhesives
Peel Strength between Layers:	700 g/in (ASTM D 903 Mod) (Or material destruction)
Flammability:	FMVSS 302 – Pass

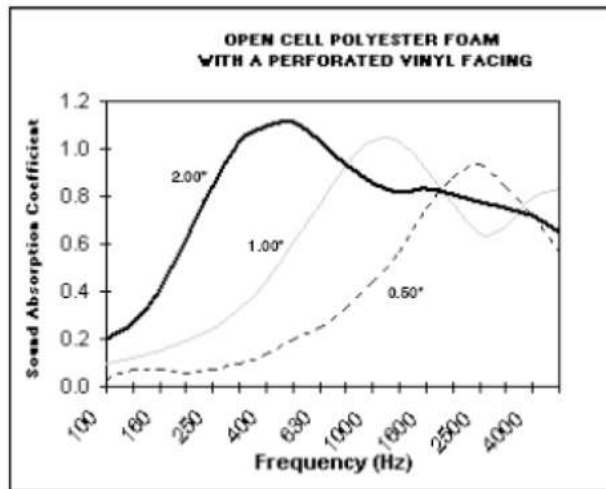
In Canada: ISO 9001:2000, Responsible Care  
In USA: ISO 9001:2000, ISO/TS 16949, ISO 14001

**TYPICAL TRANSMISSION LOSS VALUES (dB)**

DECOUPLER TYPE	Barrier Wt. (lb/ft <sup>2</sup> )	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
1/4" Open Cell Foam	1.0	15	20	27	47	64	77

SAE J-1400 on 16 Gauge Steel

**TYPICAL SOUND ABSORPTION VALUES FOR CONASORB**



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In USA: ISO 9001:2000, ISO/TS 16949, ISO 14001