
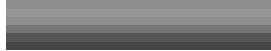

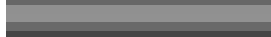


## DESCRIPTION

	Urethane Film Facing
	Open Cell Foam
	PVC Barrier
	Open Cell Foam

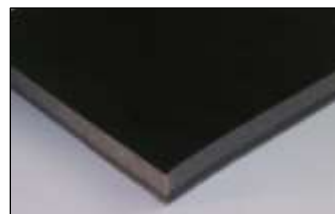
Consists of:

- 1 Urethane film facing
- 2 1.0" open cell polyester urethane sound absorbing foam
- 3 1.6 lb/ft<sup>2</sup> PVC barrier
- 4 ¼" open cell polyester urethane foam decoupler  
(Other foam thicknesses and barrier weights available – contact Sales for more information).

## APPLICATIONS

Custom engineered for application in a generator set or diesel engine compartment where a combination of low to mid frequency sound absorption and sound transmission loss are required.

The composite is faced with a very tough and flexible urethane film which acts as both a diaphragm to tune the absorber and as protection against moisture and other contaminants.



## TYPICAL VALUES

### 1. Urethane Film

#### UF(1)

Characteristic:	Typical Value:
Composite:	Polyurethane
Color:	Black - Opaque
Thickness:	1.5 mil (0.0015 in.)
Shore A Durometer:	95 (ASTM D2240)
Tensile Strength:	10000 psi (ASTM D412)
Elongation at Break:	450% (ASTM D412)
Tear Strength:	500 ppi (ASTM D624)

### 2/4. Ester Foam

Characteristic:	Valor típico
Type:	Poliéster uretano
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

#### UF (1)

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 700 g/in (ASTM D 903 Mod) (Or material destruction)	700 g/in (ASTM D 903 Mod) (Or material destruction)
Layers:	
Flammability:	FMVSS 302 – Pass

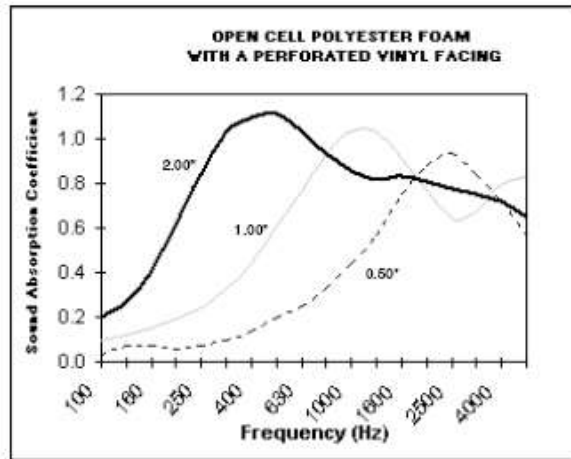
In Canada: ISO 9001:2000, Responsible Care  
In USA: ISO 9001:2000, ISO/TS 16949, ISO 14001

**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**



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