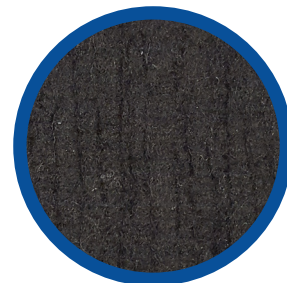


## MilFiber-AL

MilFiber-AL is a vertically lapped synthetic fiber-based sound absorbing material with an aluminized facing. It has been engineered to provide superior thermal insulation and high sound absorption. It is a light, thin treatment which prevents major weight changes in the final application. The hydrophobic fibers are low odor and do not support mold or mildew growth. The fiber is non-wicking and does not retain moisture. MilFiber-AL meets the requirements of UL94 HF-1 and HB as well as is FMVSS 302 compliant.

### TYPICAL APPLICATIONS:

- Vehicle Engine Bay
- Enclosure Engine/Exhaust Bay



## Typical Physical Properties

Specification	Test Method	Typical Results
Color		Black Or Grey
Facing		Perforated, Standard, or Reinforced Aluminized Mylar
Surface Density Range of Fiber Core		250 - 2,000 gsm
Thickness Range		4 - 32 mm
Maximum Service Temperature		110°C (continuous)
Humidity Resistance		Excellent (no degradation)
Mold/Mildew Resistance		Good
Odor		Good
Moisture Absorption		< 0.03% by vol. at 50°C, 90% R.H. (4 days or more)
Thermal Conductivity	ASTM C518	0.26 BTU-in/hr-ft <sup>2</sup> -°F @ 22.5°C
Flammability	FMVSS 302 UL94 HF-1 & HB	Pass Pass
Toxicity		Non-toxic
TSCA Compliant		Yes
RoHS Compliant		Yes
EU REACH Compliant		Yes

**Random Incidence Sound Absorption  
Summary Chart**

