

3M™ Thinsulate™ TFI Acoustic Insulation

Product Description

3M™ Thinsulate™ TFI Acoustic Insulation is a high performance, low-density acoustic absorber. The lightweight material is used for reducing noise in the truck cab and helps maintain cab temperature at a comfortable level. The material is conformable to irregular surfaces and can be used behind A and B pillars, headliners and backwall panels.

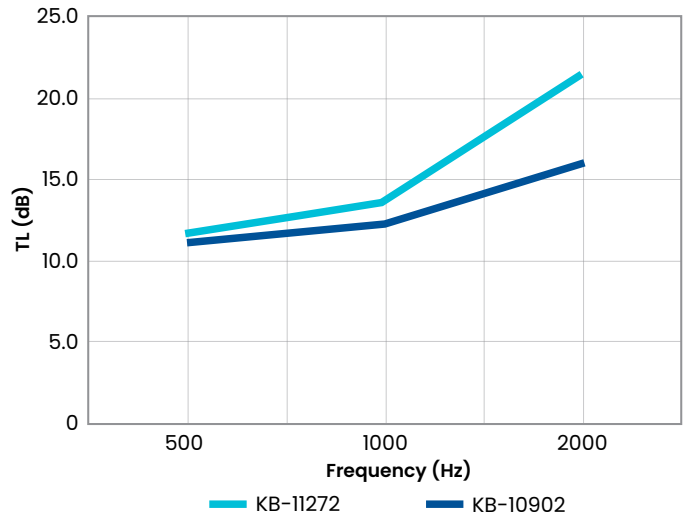
Typical Properties

PROPERTY	TFI-2232	
Sound Absorption (ASTM-E1050)	100	0.03
	125	0.03
	160	0.04
	200	0.08
	250	0.08
	315	0.10
	400	0.13
	500	0.19
	630	0.27
	800	0.41
	1000	0.59
	1250	0.79
	1600	0.93
	2000	0.98
	2500	0.95
	Nominal Thickness (mm)	27
Scrim	White/White	
Composite Surface Density (gsm)	232	
250-2500 Hz Absorption Average (α)	0.49	
315-1600 Hz Absorption Average (α)	0.43	
k-value, W/m·K (Btu-in/ft ² ·hr·°F)	0.047 (0.326)	
R-value, m ² ·K/W (hr·ft ² ·°F/Btu)	0.56 (3.3)	
Maximum Operation Temperature °C (°F)	120 (248)	
Flammability (FMVSS-302)	Meets	

Note: Data in the table above is based on roll goods.



Normal Incidence Sound Absorption





Technical Information

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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