



# 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
3150	0.88	
4000	0.81	
5000	0.84	
Nominal Thickness (mm)		27
Scrim		White/White
Composite Surface Density (gsm)		232
250-2500 Hz Absorption Average ( $\alpha$ )		0.49
315-1600 Hz Absorption Average ( $\alpha$ )		0.43
k-value, W/m·K (Btu·in/ft <sup>2</sup> ·hr·°F)		0.047 (0.326)
R-value, m <sup>2</sup> ·K/W (hr·ft <sup>2</sup> ·°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.



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### 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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