



### 3M™ Thinsulate™ TK Acoustic Insulation

**Compressible** – fits a wide range of applications where varying thickness is highly desirable

**Conformable** – specifically designed to accommodate irregular spaces

**Cavity Filling** – fills voids behind trim panels or other areas to help reduce noise.

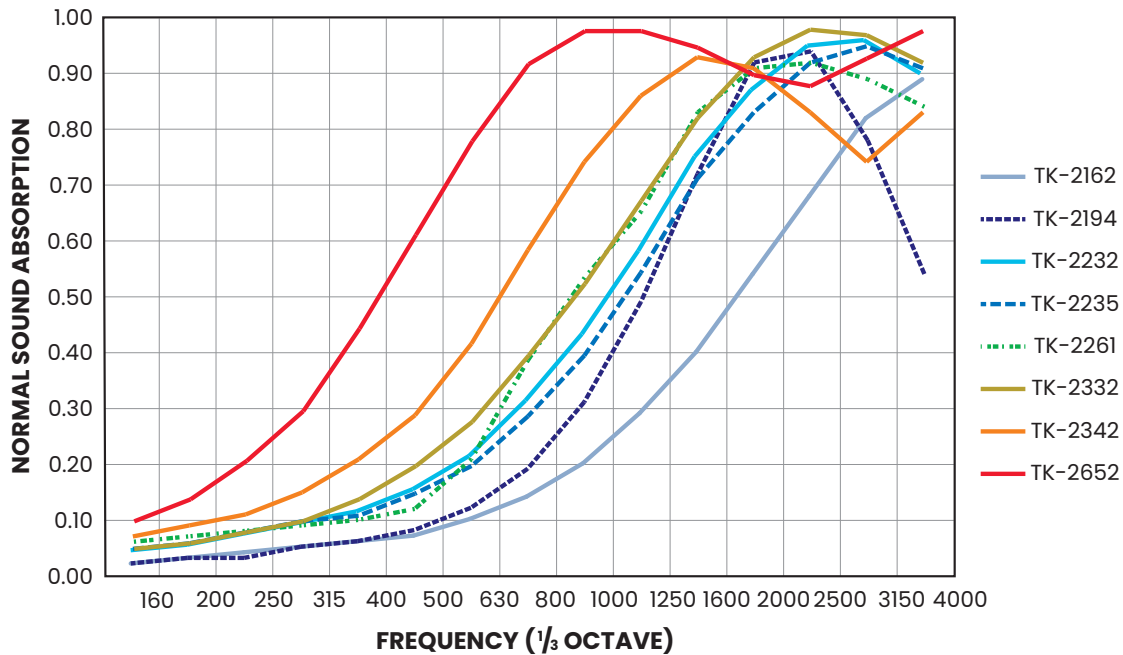
Thinsulate TK is a high performance, low density material. Its acoustic and thermal properties make it ideal for use in a multitude of commercial vehicle applications.



MATERIAL	TK-2162	TK-2194	TK-2232	TK-2235	TK-2261	TK-2332	TK-2342	TK-2652
<b>Thickness (mm)</b>	16	13	27	27	16	25	41	50
<b>Material Facing</b>	White Scrim on both sides	White Scrim / Aluminized Polyester	White Scrim on both sides	White Scrim / Black Scrim	White Scrim / No Scrim	White Scrim on both sides	White Scrim on both sides	White Scrim on both sides
<b>Areal Weight (GSM)</b>	160	195	230	255	260	330	340	650
<b>Normal Sound Absorption Avg.</b> 250 - 2500 Hz ( $\alpha$ )	0.29	0.35	0.43	0.41	0.44	0.47	0.51	0.67
<b>Normal Sound Absorption Avg.</b> 315 - 1800 Hz ( $\alpha$ )	0.16	0.25	0.33	0.31	0.36	0.39	0.52	0.74
<b>R Value at 20°C (ft<sup>2</sup>hr °F/BTU)</b>	2	2	3	3	2	3	6	7
<b>Maximum Continuous Operating Temperature, °C (°F)</b>	120 (248)	120 (248)	120 (248)	120 (248)	120 (248)	120 (248)	120 (248)	120 (248)
<b>Flammability (FMVSS-302)</b>	Meets	Meets	Meets	Meets	Meets	Meets	Meets	Meets
<b>Compressibility, Pa (lb/ft<sup>2</sup>)</b>								
10%	17 (0.3)	29 (0.6)	18 (0.4)	18 (0.4)	17 (0.3)	29 (0.6)	18 (0.4)	29 (0.6)
25%	49 (1.0)	57 (1.2)	59 (1.2)	59 (1.2)	49 (1.0)	62 (1.3)	64 (1.3)	67 (1.4)
50%	223 (4.6)	148 (3.1)	276 (5.8)	276 (5.8)	223 (4.6)	239 (5.0)	279 (5.8)	326 (6.8)



**TYPICAL NORMAL INCIDENCE SOUND ABSORPTION, ASTM E-1050**



### 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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