

3M™ Thinsulate™ High Temperature Acoustic Insulation TK-0578

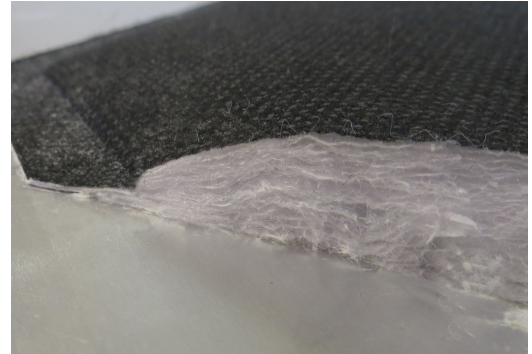
Product Description

The Thinsulate insulation high temperature portfolio is a high performance, low density, 3D formable material. Its acoustic and thermal properties make it ideal for use in a multitude of markets including vehicles and appliances for applications that require noise and thermal reduction to help protect components or enhance occupancy experience.

High Temperature Resistant – Used in high temperature environments including engine compartments and electric motors near radiators and turbos for thermal resistance and noise absorption.

3D Formable – Specifically designed to allow for moldability to complex contours and irregular multi-radius forms with minimal impact to acoustic and thermal performance.

Facing – Black facing is cosmetically discrete and chemically resistant.



TYPICAL PROPERTIES	TK-0578
Thickness (mm)	25
Material Facing	Black PET Scrim / Open Web
Areal Weight (GSM)	570
Normal Sound Absorption Average 250 - 2500 Hz (α)	0.33
Normal Sound Absorption Average 315 -1600 Hz (α)	0.26

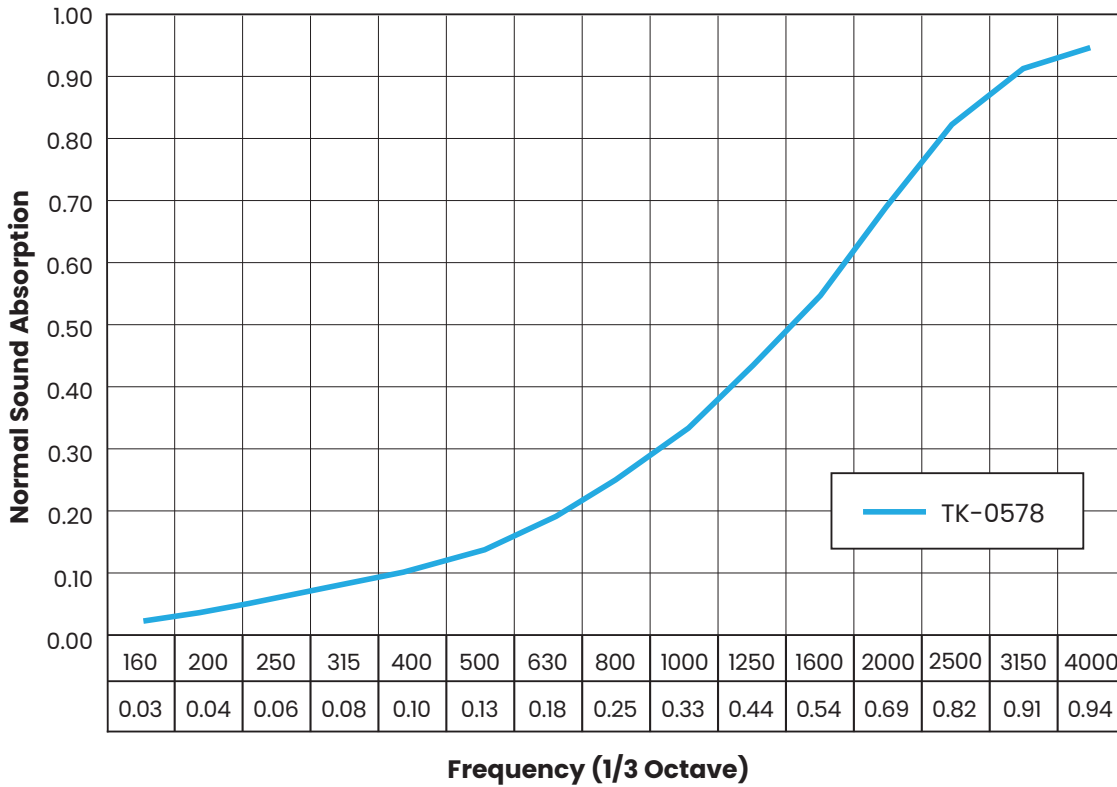
The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

TYPICAL PROPERTIES	TK-0578
R Value at 20°C (ft² hr °F/BTU)	3.5
Normal Operating Temperature °C (°F)	150 (300)
Maximum Intermittent Temperature °C (°F)	180 (350)
Flammability FMVSS-302	Meets

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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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