

**Product Description**

The Thinsulate insulation high temperature portfolio is a high performance, low density, 3D formable insulation. 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.

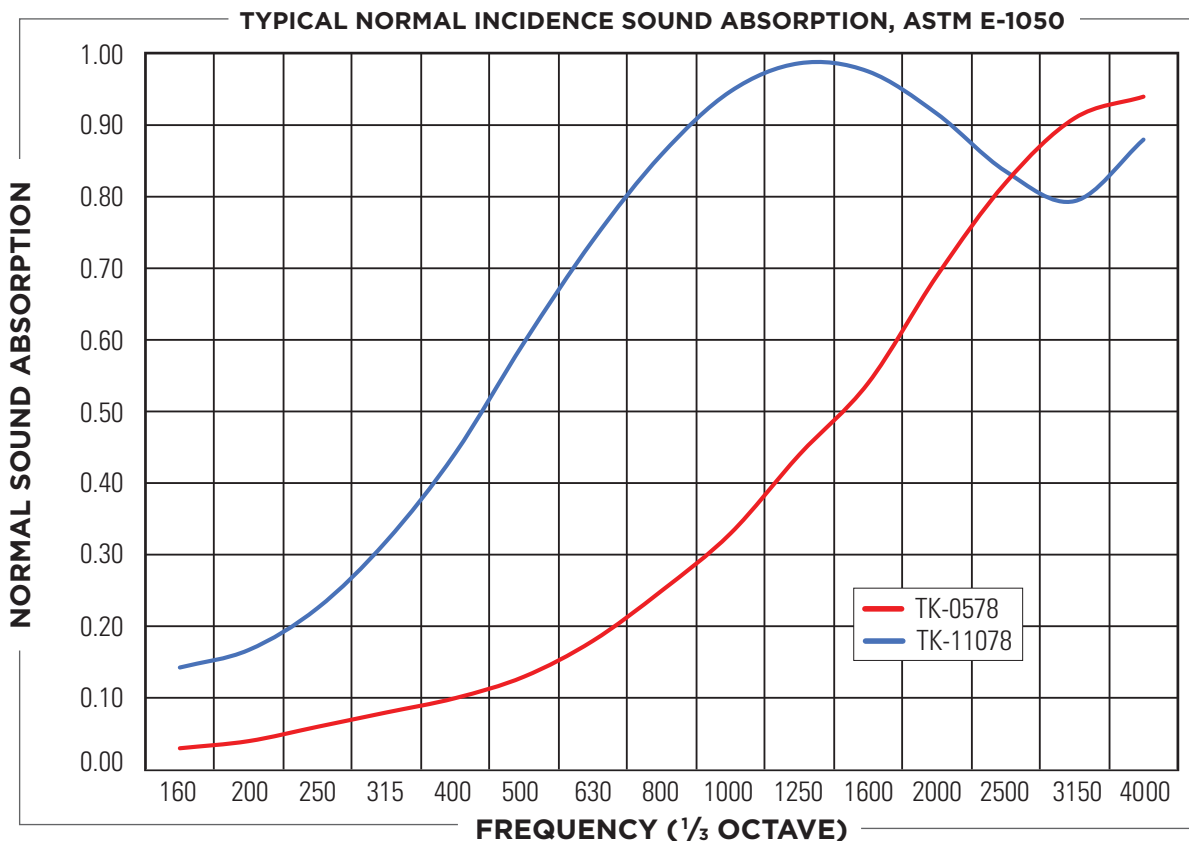
**High Temperature Resistant** — Used in high temperature environments including engine compartments and electric motors near radiators and turbos for thermal resistance and noise absorption.

**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	TK-11078
Thickness (mm)	25	47
Material Facing	Black PET Scrim / Open Web	Black PET Scrim / Embossed Web
Areal Weight (GSM)	570	1070
Normal Sound Absorption Average 250 - 2500 Hz (α)	0.33	0.71
Normal Sound Absorption Average 315 - 1600 Hz (α)	0.26	0.73

TYPICAL PROPERTIES	TK-0578	TK-11078
R Value at 20°C (ft <sup>2</sup> · hr · °F/BTU)	3.5	6.7
Normal Operating Temperature °C (°F)	150 (300)	150 (300)
Maximum Intermittent Temperature °C (°F)	180 (350)	180 (350)
Flammability FMVSS-302	Pass	Pass



### Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that Aearo Technologies believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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