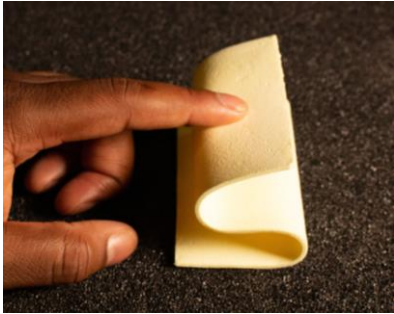


# AIRLOY® HT SHEET



Airloy HT is a flexible, dust-free, high-temperature superinsulator that handles like foam. Non-flammable and water resistant, Airloy HT provides up to 50% better thermal insulating performance per unit thickness than conventional insulators such as expanded polystyrene and fiberglass. With an operating temperature up to 300°C, Airloy HT is an ideal solution for maximizing thermal performance while minimizing thickness in automotive, aerospace, apparel, physical plant, and consumer electronics applications. Made with NASA technology.

Composition	polyimide aerogel/melamine foam composite
Available Thicknesses	0.06 to 0.40 in / 1.5 to 10 mm
Bulk Density	0.11 g/cc ± 0.02
Average Pore Size	15 nm
Thermal Conductivity	20 mW/m-K @ 25°C
R-Value Per Inch	7.2
Max Operating Temperature	300°C
Nonflammable	Yes
Liquid Water Uptake After 24 h	<60 w/w %
Sound Transmission Loss	>20 dB/cm over 300-5,000 Hz

## PRODUCT FEATURES

- Maximizes insulative performance while minimizing thickness
- Dust-free, flexible, and durable
- Wraps and flexes without fracturing
- Bending radius of 0.5 cm
- Easy to cut, composite, and adhere
- Nonflammable
- Hydrophobic
- Rated for high-temperature service

## APPLICATIONS

- Pipe, hose, and equipment insulation
- Thermal breaks for studs and I-beams
- Automotive engine compartment components
- 25.853-compliant interior furnishings
- Fire-proof barriers for electric vehicle battery packs
- Insulative apparel and footwear
- Heat steering layers for consumer electronics
- Vibroacoustic insulation