

Cryogenic Superinsulation Product

PolaTape® is a cryogenic superinsulation **fastening subsystem** that is used independently or in conjunction with other PolaProducts™ for patching, installation, or construction of thermal control systems. PolaTape® is constructed of aluminized film and adhesive without a release liner for ease of use.

Features:

- Ultrathin second surface aluminized polyester film reflector layer to provide efficient thermal performance with minimal weight and stiffness.
- Acrylic pressure sensitive adhesive (PSA) provides a strong bond to films and other surfaces.
- PolaTape® is provided in a standard widths of 1.0 and 2.0 inches, and in standard roll lengths of 216 linear feet. Additional widths available by special order.

Product Number*	Width (Inches)	Roll Length (Feet)
PT001-100-216	1.0	216
PT001-200-216	2.0	216

Material Properties

Operating Temperature, °F(°C)	-321 (-196) to +250 (121)
Adhesion Strength (per ASTM D1000)	31.49 ozf/in average peel strength 35.26 ozf average peak load

Applications

Cryostats
Storage Dewars
Cryogenic Cabling
Vacuum-Jacketed Piping
Large-Scale Cryogenic Storage Tanks
Quantum Computers
MRI Machines

Usage

- Provides similar surface optical properties to other PolaProducts™, so PolaTape® is ideal for closing out blanket edges, repairing damaged surfaces, or installing those products on structure.
- PolaTape® is used as an accessory in a wide range of insulation systems including pipe wraps, cabling, and large blanket seaming.

All product data is nominal and does not represent a specification. We make no warranty, expressed or implied, concerning actual use or results.