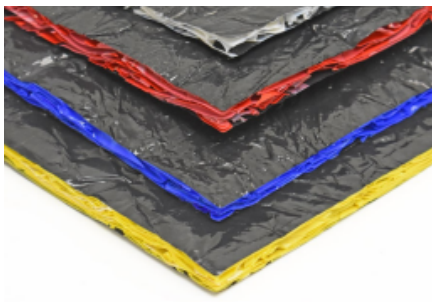
Manufacturer of High-Performance Fluoropolymer Films, Laminates, and Composites

THERMA-PURE™ INSULATION MATERIAL



Therma-Pure™ is a 100% PTFE flexible insulation material engineered for long-term thermal insulation in ultra-clean and high-purity environments. Designed for both indoor and outdoor applications, it provides a non-contaminating insulation solution where chemical resistance, environmental durability, and extended service life are critical.

The PTFE construction provides exceptional resistance to chemical exposure, moisture, and aggressive process environments across the full pH 0–14 range. Unlike conventional insulation materials that can degrade, absorb moisture, or contribute contaminants over time, Therma-Pure™ maintains its insulating properties under demanding operating conditions.

MADE FROM RECYCLED MATERIALS

Engineered for sustainability as well as performance, Therma-Pure™ is manufactured entirely from recycled high-temperature polymer materials and offers an exceptionally long service and shelf life. Its durable construction minimizes material replacement and helps reduce energy losses associated with inefficient thermal insulation.

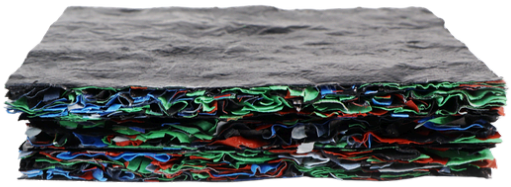
Therma-Pure™ Benefits:

- Extreme operating temperature range from -400°F (-240°C) to 600°F (316°C)
- Made entirely of recycled materials
- Unaffected by chemicals (pH range 0-14), and UV
- Fire-Resistant and Non-Combustible
- Minimizes Corrosion Under Insulation (CUI)
- Non-fibrous material - handling will not contaminate the work environment
- Moisture, mold, and bacteria-resistant
- Suitable for wash-down environments
- Highly flexible and easily cut by hand or machine



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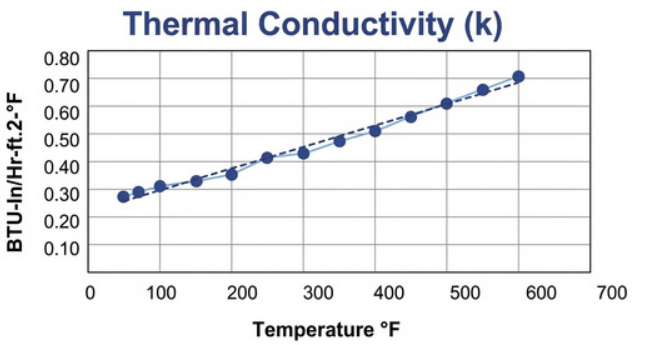
Therma-Pure™ Applications



Therma-Pure™ is particularly well suited for cleanrooms, high-purity processing systems, semiconductor manufacturing, pharmaceutical applications, and other environments where contamination control and material longevity are essential.

Ideal Applications:

- Cleanroom/ Sanitary
- Food Processing
- Semiconductor
- Pharmaceutical
- Bio-Pharma
- Aerospace
- Electrical
- Oil and Gas



Therma-Pure™ Properties:

Temperature Range:	-400°F (-240°C) to 600°F (316°C)
R-Value (ASTM C518):	1.7 ft²·°F·h/BTU for 0.5" thick @ 70°F
RSI Value (ASTM C518):	0.30 m²·K/W for 12.7 mm thick @ 21°C
Thermal Conductivity (k) @ 600°F/316°C:	0.7 BTU-in/Hr-ft²-°F / 0.101 W/m-°K
Density:	16 lbs/ft³ (256 kg/m³)
Width:	30 inches (762 mm), other widths available upon request
Thickness:	½" (13mm) nominal ¼" (6mm) nominal Other thicknesses available upon request

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