



# Therma-Pure™ Insulation Material

THERMA-PURE™ LAMINATE ENGINEERED FOR ULTRA-CLEAN OR CHEMICALLY-CHALLENGING ENVIRONMENTS

## Therma-Pure™ Insulation Material:

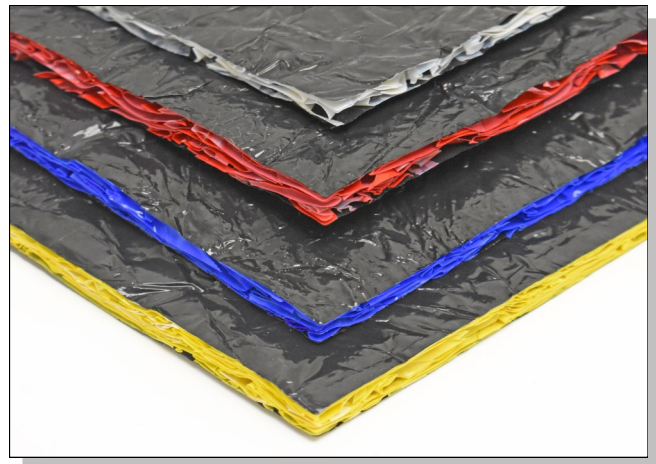
This 100% PTFE insulation material is designed for applications requiring non-contaminating and/or long-lasting insulating properties. This material is unaffected by chemical and wet exposure in a pH range of 0-14.

### Advantages:

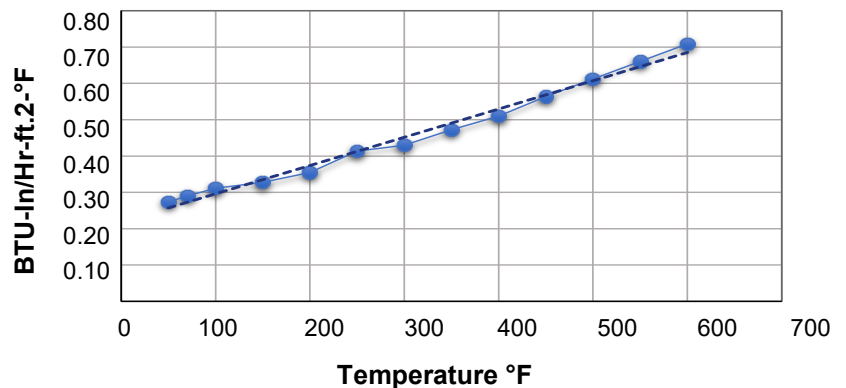
- Extreme operating temperature range -400°F (-240°C) to 600°F (316°C)
- Fire-Resistant and Non-Combustible
- Minimizes CUI
- Non-Fibrous material - handling will not contaminate the work environment
- Moisture, mold, and bacteria-resistant
- Suitable for wash-down environments
- Highly flexible and easily cut by hand or machine

### Applications:

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



## Thermal Conductivity (k)



## THERMA-PURE™ INSULATION MATERIAL PROPERTIES

<b>Temperature Range:</b>	-400°F (-240°C) to 600°F (316°C)
<b>R-Value</b> (ASTM C518):	1.7 ft <sup>2</sup> ·°F·h/BTU for 0.5" thick @ 70°F
<b>RSI Value</b> (ASTM C518):	0.30 m <sup>2</sup> ·K/W for 12.7 mm thick @ 21°C
<b>Thermal conductivity (k) @ 600°F/316°C:</b>	0.7 BTU-in/Hr-ft <sup>2</sup> -°F / 0.101 W/m-°K
<b>Density:</b>	16 lbs/ft <sup>3</sup> (256 kg/m <sup>3</sup> )
<b>Width:</b>	30 inches (762 mm), <i>other widths available upon request.</i>
<b>Weight &amp; Thickness:</b>	1/2" (13mm) nominal: 10.7oz/ft <sup>2</sup> (3265 g/m <sup>2</sup> ) 1/4" (6mm) nominal: 5.3 oz/ft <sup>2</sup> (1632 g/m <sup>2</sup> ) <i>other thicknesses available upon request.</i>

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200 Bouchard Street, Manchester, NH 03103 USA PHONE: (603) 296-2221 FAX: (603) 296-2248 www.textilecoated.com