



# InsulPURE™ Insulation Material

INSULPURE™ LAMINATE ENGINEERED FOR ULTRA-CLEAN OR CHEMICALLY-CHALLENGING ENVIRONMENTS

## InsulPURE™ Insulation Material:

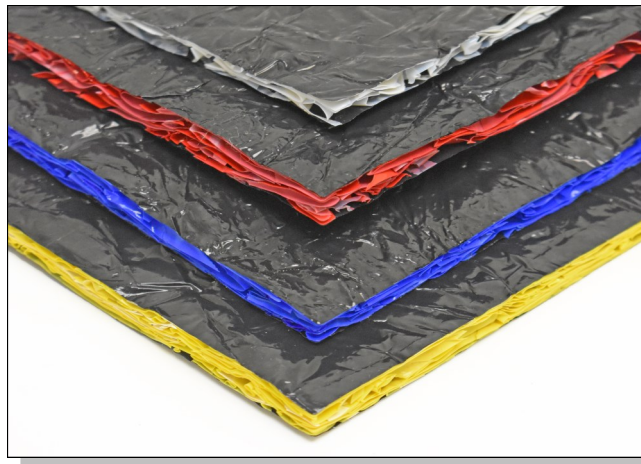
This 100% PTFE insulation material is designed for applications requiring non-contaminating and/or long-lasting insulating properties. This material is unaffected by chemical and wet exposure in a pH range of 0-14.

### Advantages:

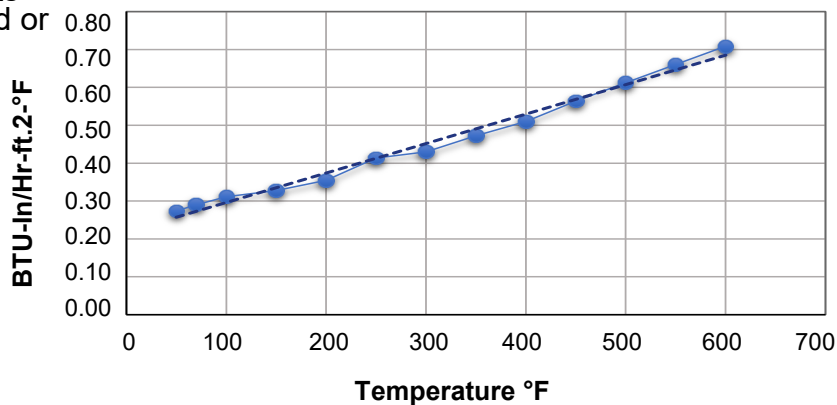
- Extreme operating temperature range -400°F (-240°C) to 600°F (316°C)
- Fire-Resistant and Non-Combustible
- Minimizes CUI
- Non-Fibrous material - handling will not contaminate the work environment
- Moisture, mold, and bacteria-resistant
- Suitable for wash-down environments
- Highly flexible and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

### Applications:

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



### Thermal Conductivity (k)



## INSULPURE™ INSULATION MATERIAL PROPERTIES

<b>Temperature Range:</b>	-400°F (-240°C) to 600°F (316°C)
<b>R-Value</b> (ASTM C518):	1.7 ft²·°F·h/BTU for 0.5" thick @ 70°F
<b>RSI Value</b> (ASTM C518):	0.30 m²·K/W for 12.7 mm thick @ 21°C
<b>Thermal conductivity (k) @ 600°F/316°C:</b>	0.7 BTU-in/Hr-ft²-°F / 0.101 W/m-°K
<b>Density:</b>	16 lbs/ft³ (256 kg/m³)
<b>Width:</b>	30 inches (762 mm), other widths available upon request.
<b>Weight &amp; Thickness:</b>	1/2" (13mm) nominal: 10.7oz/ft² (3265 g/m²) 1/4" (6mm) nominal: 5.3 oz/ft² (1632 g/m²) other thicknesses available upon request.

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