



DATA SHEET

THERMAL TECH & TEMP



SOLUBLE FIBER

1 DESCRIPTION

Soluble Fiber is a high-temperature body low bio-persistence fiber that utilizes a unique spinning technology to create a special fiber with superior thermal and mechanical properties. This fiber is made from a blend of calcium, silica, and magnesium and can be exposed to temperatures up to 2192°F.

2 APPLICATIONS

Soluble Fiber is intended for use in removable insulation, cable trays, batteries, expansion joints, ovens, process furnace linings, structural steel fire protection, fire barriers, and more.

3 ADVANTAGES

The unique properties of Soluble Fiber make it flexible, lightweight, inorganic, thermal shock, chemical attack, and corrosion resistant with a low level of thermal conductivity and high tensile strength for low heat storage. Soluble Fiber is also a cost-effective alternative to refractory ceramic fiber for applications to 2200°F. Soluble fiber also has excellent sound absorption, is high heat-reflective, and is easy to fabricate and install.

4 PROPERTY DATA

Characteristics:	Method:	English Values:	Metric Values:
Thickness	ASTM-D-1777	1" +/- 10%	25.4 mm +/- 10%
Temperature Resistance	N/A	Max: 2200 °F Operating: 2000 °F	Max: 1200 °C Operating: 1100 °C
Linear Shrinkage	2000 °F / 24 hrs	0-1.5%	
Specific Heat	(Btu/lbs/F)	0.27	
Color	N/A	White	

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