

FUSED SILICA  
HOT PRESS PLATENS  
CASTABLE CERAMICS  
FIRED SHAPES  
AEROSPACE TOOLING

# Foundry Service & Supplies, Inc.

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HI-TEMP INSULATIONS  
CALCIUM SILICATE BOARDS  
MILLBOARD AND BLANKET  
PAPERS AND CEMENTS  
CUTTING AND FABRICATING

## ULTRA TEMP I

### Product Description

**Ultra Temp I** is a noncombustible, asbestos-free, high density board. It is engineered to handle higher temperatures, loads, and electrical conditions with less shrinkage and degradation compared to previous non-asbestos formulas.

**Ultra Temp I** can accommodate 600°F after initial heat conditioning. **Ultra Temp I** may be used in a wide variety of applications where a combination of high strength thermal stability, electrical insulation or machinability is required.

#### Properties\*

Density, pcf	100
Compressive Strength, psi	10,400
Maximum Operating Temperature after initial heat conditioning °F	600
Modulus of Rupture, psi	2,600
Modulus of Rupture/ (density) <sup>2</sup>	.26
Brinell hardness, (500 KG load 6mm dia)	17
Normal Moisture Content, %	<12
Water Absorption, %	21
Thermal Conductivity, BTU-in/ft <sup>2</sup> hr°, F@250°F	2.40
Volume Resistivity, ohm-cm, (ASTMD257)	7.1x10 <sup>10</sup>
Surface Resistivity, ohm-cm, (ASTMD257)	7.0x10 <sup>10</sup>
Arc Resistance, seconds, (ASTMD495)	260
Dielectric Strength, Volts/mil, (ASTMD495)	35
Thickness: inches	3/8" thru 3"
Width: inches	48" +
Length: inches	96" +
Fire Hazard, (ASTME84)	
Flame spread	0
Smoke developed	0

Contact your supplier if you have any questions on initial heat conditioning.

The physical and chemical properties of Ultra Temp I represents typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with your supplier to assure current information.