



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS

INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: Transite HT High Temperature Cement Board

Description: Transite HT is engineered to handle higher temperatures, loads, and electrical conditions with less shrinkage and degradation compared to previous non-asbestos cement fiber boards. Although Transite HT is rated at 450°F maximum continuous operating temperature, it will accommodate 600°F after an initial heat conditioning.

Transite HT is a high-density, non-asbestos board used in a wide variety of applications where a combination of high strength, thermal stability, electrical insulation or machinability is required. Transite HT is pressed into monolithic boards from portland cement and selected non-asbestos, non-ceramic/refractory fibers.

Availability: Laminate Sheets: Thickness: English Units: .25" to 3" SI Units: 6.35 mm to 76.2 mm
Sheet Sizes: 48" x 96" 122 cm x 244 cm

Fabricated Parts: The Gund Company custom fabricates insulation materials to the exact specifications and drawings of our customers

Key Characteristics	Test Method	Units - English (SI)	Typical Values
Density	--	lbs./in. (g/cc)	0.058 (1.61)
Water Absorption (.125")	ASTM D-570	%	21
Normal Moisture Content	--	%	< 12
Fire Hazard	ASTM F-84	--	No Flame Spread, No Smoke Developed
Maximum Service Temperature	--	°F (°C)	450 (232)
Compressive Strength, Flatwise	ASTM D-695	psi (MPa)	10,400 (72)
Brinell Hardness	--	--	17
Thermal Conductivity (250°C)	--	BTU-in./ft. ² /hr. ⁰ /F	2.4
Volume Resistivity	--	Ohm/cm	7.1 x 10 ¹⁰
Arc Resistance	ASTM D-495	Seconds	260
Dielectric Strength, Perpendicular in Oil (.0625")	ASTM D-149	V/mil (kV/mm)	35 (1.37)

All of the information, suggestions, and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.