



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS
 INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: TransiteHT High Temperature Cement Board

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

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

Availability: Laminate Sheets: English units SI Units
 Thickness: .25"–3" 6.35mm–76.2mm
 Sheet Sizes: 48"x96" 122cmx243.8cm

Fabricated Parts: TheGundCompany 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 ³ (g/cc)	0.058(1.61)
Water Absorption(1/8" thick)	ASTMD-570	%	21
Normal Moisture Content		%	<12
Fire Hazard	ASTMF-84		No Flame Spread, No Smoke Developed
Maximum Service Temperature		°F(°C)	450(232)
Compressive Strength	ASTMD-695,(flatwise)	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	7.1x10 ¹⁰
Arc Resistance	ASTMD-495	Sec	260
Dielectric Strength(Perp.1/16",oil)	ASTMD-149,(A-short)	V/mil(kV/mm)	35(1.37)

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