



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS
 INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

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MATERIAL DATA SHEET

Item: H-91 Cement Fiber Board

Description: The H-91 grade of cement fiber board has a substrate of portland cement reinforced with selected non-asbestos fibers in order to offer improved compressive strength versus grade NAD-11. Grade H-91 also offers an improved temperature resistance up to a maximum temperature rating of 1400 °F. Grade H-91 can be used for a variety of applications requiring a relatively low cost dielectric that can survive high temperature applications.

Availability:	Laminate Sheets:	Thickness:	English units 0.188"—3"	SI Units 4.78mm—76mm
		Sheet Sizes:	37"x49"	94cmx124cm
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
Composition			Non-asbestos fiber cement
Density		lbs/in ³ (g/cc)	0.069(1.91)
Maximum Operating Temperature		°F(°C)	1,400(760)
Compressive Strength	ASTMD-695	psi(MPa)	16,675(115)
Shear Strength	ASTMD-732	psi(MPa)	3,700(26)
Flexural Strength	ASTMD-790	psi(MPa)	4,350(30)
Water Absorption	ASTMD-570	%	10
Thermal Conductivity	ASTMC-177	BTU/in/hr/ft ² °F	3.4
Arc Resistance	ASTMD-495	sec	>360
Dielectric Strength	ASTMD-149	kV/in	2
Dielectric Strength	ASTMD-149	kV	14

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