

Product Information Sheet



412

Thermal Millboard/Nonasbestos Millboard

Description

412 millboard is a ceramic fiber board with inorganic fillers. It is an exceptional thermal insulator and is used for high temperature roll coverings and in fire protection areas where high strength properties are required. It is intended for applications with maximum continuous operating temperatures up to 1260°C (2300°F), and it resists melting up to 1760°C (3200°F).

Typical Properties

Property	Value	Method
Density, g/cc(lb/cu.ft)	0.80 (50) (min.)	ASTM F 1315
Compressibility, % (at 12MPa)	15	ASTM F 36
Compressibility, % (at 34.5MPa)	55	ASTM F 36
Recovery, %	8	ASTM F 36
Tensile Strength, MD, MPa(psi)	4.14 (600) (min.)	ASTM F 152
Tensile Strength, AMD, MPa(psi)	2.07 (300) (min.)	ASTM F 152
Weight Loss on Ignition, % (at 538°C)	5	ASTM F 495
Dielectric Strength, Volts/mil.	50	ASTM D 149

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