

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 |

Remarks and Related Documents

Typical values determined by the test methods required for ASTM F-104, Type 7 materials.

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