

MARINITE

3R4080

Description

These non-asbestos, monolithic, fiber cement industrial boards are used where high strength is the primary concern.



Applications

The 3R4080 is used in the foundry industry for flask liners, cores, drying and carry plates, and induction furnace casings. Electrical applications include busbar supports, aluminium pot insulation, and electrode arm insulators.

Transite HT is also used as load bearing gasketing, spacers, supports, and machined parts for OEM applications.

Specifications

Technical Data

Temperature	316°C (600°F)
Density	100 lbs/ft ³ (1602 kg/m ³)
Modulus of Rupture (Flexural Strength)	2600 psi (183 kg/cm ²)
Ultimate load	10,400 psi (731 kg/cm ²)
Load @ 5% deformation	6500 psi (457 kg/cm ²)
Moisture Content (normal), % of dry weight	12
Thermal Conductivity (Btu-in/ft ² , hr, °F)	250°F: 2.40
Thermal Conductivity (W/m ² K)	121°C: 0.34
Shrinkage 24 h at 600°F	Linear: 0.85%, Thickness: 3.7%
Arc Resistance (ASTM D495)	260 sec
Volume Resistivity (ASTM D257)	7.1 X (10 ¹⁰) ohm-cm

Dielectric Strength (ASTM D495)	35 v/mil
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N.B. The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.