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MARINITE

## 3R4090



### Description

This CS85 Marinite was developed to be a high temperature replacement for asbestos Transite. It offers the highest strength and electrical resistance combined with minimal shrinkage.

### Applications

Applications include platen press insulation, foundry core and blow plates, induction furnace casings, electrical resistance insulation, hot glass handling and numerous others.

### Specifications

#### Technical Data

Temperature	980°C (1800°F)
Density	85 pcf (1362 kg/m <sup>3</sup> )
Modulus of Rupture (Flexural Strength)	3000 psi (210 kg/cm <sup>2</sup> )
Ultimate load	10300 psi (724 kg/cm <sup>2</sup> )
Load @ 5% deformation	6400 psi (450 kg/cm <sup>2</sup> )
Moisture Content (normal), % of dry weight	1.0
Thermal Conductivity (Btu-in/ft <sup>2</sup> , hr, °F)	400°F: 2.13, 800°F: 1.94, 1000°F: 2.01
Thermal Conductivity (W/m°K)	204°C: 0.31, 427°C: 0.28, 538°C: 0.29
Shrinkage 24 h at 1600°F	Linear: 0.24%, Thickness: 2.0%
Arc Resistance (ASTM D495)	304 sec

Volume Resistivity (ASTM D257)	4.52 X (10 <sup>12</sup> ) ohm-cm
Dielectric Strength (ASTM D495)	61 v/mil
Screw Holding Strength @ 7/8" penetration	875 lbs (397 kg)

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.