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3R4085

TRANSITE 1000

This board is hydraulically pressed into monolithic boards from refractory cement and silica. It is then steam-cured, oven dried, and sanded to a standard 24 grit finish. The 3R4085 is a high-density, non-asbestos board used in a wide variety of applications where a combination of high strength, thermal stability, electrical insulation or machinability is required. It also has a low thermal conductivity, will not delaminate and is very durable. It offers a good shock resistance and will not chip.

The Transite 1000 is non-combustible and can withstand maximum operation temperatures from 600°F to 1000°F. However, it must be stored horizontally in a dry area to conserve its properties.

APPLICATIONS

Load-bearing gaskets, spacers and supports, busbar supports, transformer spacers, electrical coil supports, arc shields, collars and bushings, aluminium pot insulation, foundry core plates, induction and muffle furnace walls, industrial and baking oven shelving.

SPECIFICATIONS

Physical properties

Density, lbs/ft³ (kg/m³)	**98 (1570)**
Compressive Strength, psi (kg/cm²)	**13 350 (939)**
Modulus of Rupture, dry, *psi (kg/cm²)	**3 000 (211)**
Moisture content (Normal)	**7**
Thermal Conductivity, Btu-in/ft², hr, °F @ 250°F (w/mk at 121°C)	**2.40 (0.34)**
Volume Resistivity, (ASTM D-257) (ohm-cm)	**1.25 X 10^{13}**
Arc Resistance, (ASTM D-495) (seconds)	**272**
Dielectric Strength, (ASTM D-495) (volts/mil)	**56**

N.B. The information, details and values indicated are to the best of our know ledge. We recommend to conduct tests according to local conditions. The data is subject to some variations w ithout notice.