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## 3R4080

### TRANSITE HT

These non-asbestos, monolithic, fiber cement industrial boards are used in environments up to 600°F and 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

Density lbs/pi <sup>3</sup> (kg/m <sup>3</sup> )	100 (1602)
Modulus of Rupture (Flexural Strength) psi (kg/cm <sup>2</sup> )	2600 (183)
Compressive Strength	
Ultimate load psi (kg/cm <sup>2</sup> )	10,400 (731)
@ 5% deformation psi (kg/cm <sup>2</sup> )	6500 (457)
Moisture Content (normal), % of dry weight	12
Thermal Conductivity	
Mean Temperature, Btu-in/ft <sup>2</sup> , hr, °F	
• 250°F	2.40
• 400°F	-
• 600°F	-

• 800°F	-
• 1000°F	-
Mean Temperature, (W/m°K)	
• 121°C	0.34
• 204°C	-
• 316°C	-
• 427°C	-
• 538°C	-
Shrinkage 24 hours at 316°C (600°F)	
Linear (Length or width), %	0.85
Thickness, %	3.7
Electrical	
Arc Resistance, seconds, ASTM D 495	260
Volume Resistivity, ohm-cm, ASTM D 257	7.1 X (10^10)
Dielectric Strength, v/mil, ASTM D 495	35
Screw Holding Strength	
@ 7/8" penetration, lbs (kg)	

**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.