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# 3R4060

## MARINITE P

The marinite P has a good resistance to compression and bending. It is ideal for making freestanding panels, and is also used for applications requiring minimum heat distortion.



### APPLICATIONS

Principal applications : oven walls and linings, welding insulation, fire doors, fire training burn buildings, cable trays, personnel protection, and as insulation for marine ships and off-shore rigs.

Back-up insulation applications : ladles, torpedo cars and tundishes in the iron and steel industry, lime and cement plant rotary kilns, and aluminium die cast holding furnaces.

### SPECIFICATIONS

#### Technical Data

<b>Density lbs /pi³ (kg/m³)</b>	<b>60 (961)</b>
<b>Modulus of Rupture (Flexural Strength) psi (kg/cm²)</b>	<b>1400 (98)</b>
<b>Compressive Strength</b>	
Ultimate load psi (kg/cm²)	-
@ 5% deformation psi (kg/cm²)	<b>3050 (214)</b>
<b>Moisture Content (normal), % of dry weight</b>	<b>3.0</b>
<b>Thermal Conductivity</b>	
Mean Temperature, Btu-in/ft², hr, °F	
• 250°F	-
• 400°F	<b>1.13</b>
• 600°F	<b>1.15</b>

• 800°F	1.16
• 1000°F	1.17
Mean Temperature, (W/m <sup>2</sup> K)	
• 121°C	-
• 204°C	0.16
• 316°C	0.17
• 427°C	0.17
• 538°C	0.17
<b>Shrinkage</b>	
24 hrs @	649°C
Linear (Length or width), %	0.6
Thickness, %	2.1
<b>Electrical</b>	
Arc Resistance, seconds, ASTM D 495	-
Volume Resistivity, ohm-cm, ASTM D 257	5.0 X (10 <sup>8</sup> )
Dielectric Strength, v/mil, ASTM D 495	46
<b>Screw Holding Strength</b>	
@ 7/8" penetration, lbs (kg)	500 (227)

**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.