

## MOLD AND PLATEN THERMAL INSULATION (low temp)

**Composition:**

A fiberglass reinforced thermoset polyester composite material.

**Sheet Sizes:**

36" x 72" and 48" x 96" sheets at 1/4" to 2" thicknesses. Cut and fabricated to shape.

**Color:**

Brown

**Advantages & Applications:**

The high temperature and low temperature mold and platen thermal insulations possess high heat resistance, maintain high compressive strength, low thermal conductivity, low moisture absorption and durability. It resists oils and is maintenance free. The lower temperature insulation is rated in the 425°F - 450°F range, and is particularly suited for the rubber industry.

**Specifications:**

Density	123 lbs/ft <sup>3</sup>
Maximum operating temperature	550°F (288°C)
Water absorption	0.2 – 0.44%
Compressive strength	
ASTM D-695	44,300 – 45,000 psi
300°F	16,000 – 23,400 psi
400°F	11,500 – 16,100 psi
Flexural strength ASTM D-790	18,000 – 23,000 psi
Impact strength ASTM D-256	8.0 – 10.0 Izod ft-lbs/in notch
Thermal conductivity ASTM D-177	1.75 – 1.8 BTU/hr/ft <sup>2</sup> /in °F
Coefficient of therm expansion ASTM D-696	2.40 x 10 <sup>-5</sup> in/in/ °C