

A thermoset polyester composite that offers superior energy efficiency, temperature control, and durability for high temperature mold and platen thermal applications. A proven, cost effective product for the plastic and rubber molder. Available in thicknesses from 1/8" - 2.00". Color - Brown.

| <u>Property / Units</u> | <u>ASTM</u> | <u>VALUE</u> |
|--|-------------|-------------------------|
| Maximum Service Temperature | -- | 450° F |
| Compressive strength, PSI, Cond. A | D-695 | 42,000 |
| @ 300° F | | 23,400 |
| @ 400° F | | 16,100 |
| @ 500° F | | N/A |
| Impact Strength Izod Ft. Lbs./In. Notch | D-256 | 10 |
| Flexural Strength, PSI | D-790 | 23,000 |
| Tensile Strength, PSI | D-638 | 12,000 |
| Young's (Tensile) Modulus, PSI | D-638 | 1.6 x 10 ⁶ |
| Poisson's Ratio | E-132 | 0.332 |
| Moisture Absorption %, 3/8" Sanded | D-570 | 0.25 |
| Thermal Conductivity (K Factor) | D-177 | 1.90 |
| Coefficient of Thermal Expansion In./In./°C | D-696 | 1.40 x 10 ⁻⁵ |

Unless otherwise indicated, all properties published are based on test performed on standard ASTM test samples and according to ASTM test methods. Values shown are for test samples made from production materials and they are believed to be conservative. No warranty is to be construed, however, in fabricated or molded form, parts may vary considerably from this standard test data. Where specific or unusual applications arise, test should be made on actual parts, and test procedures agreed upon between Haysite Reinforced Plastics and the customer.