

| Property  | Unit  | Typical Properties | Test Method |
|---|---|--------------------|-------------|
| <b>Physical and Mechanical Properties</b>       |   |                    |             |
| Flexural Strength                               | psi   | 18,000             | ASTM D-790  |
| Tensile Strength                                | psi   | 7,000              | ASTM D-638  |
| Impact Strength, Notched Izod                   | ft. lb./inch                                    | 11                 | ASTM D-256  |
| Compressive Strength                            | psi   | 15,000             | ASTM D-695  |
| Flexural Modulus                                | psi X 10 <sup>6</sup>                           | 1.6                | ASTM D-790  |
| Water Absorption                                | %   | 0.10               | ASTM D-570  |
| Specific Gravity                                |   | 1.87               | ASTM D-792  |
| Shrinkage                                       | mil/in.   | 1.4                | ASTM D-955  |
| Glass Fiber Content                             | %   | 20                 |             |
| <b>Electrical Properties</b>                    |   |                    |             |
| Dielectric Strength                             | volts/mil                                       | 300                | ASTM D-149  |
| Arc Resistance                                  | secs.   | 200                | ASTM D-495  |
| Volume Resistivity,                             | ohms x 10 <sup>13</sup>                         | 2                  | ASTM D-257  |
| Dielectric Constant<br>@ 60 Hz                  |   |                    | ASTM D-150  |
| @ 10 <sup>6</sup> Hz                            |   |                    |             |
| Dissipation Factor<br>@ 10 <sup>3</sup> Hz      |   |                    | ASTM D-150  |
| @ 10 <sup>6</sup> H                             |   |                    |             |
| <b>Thermal &amp; Flame Retardant Properties</b> |   |                    |             |
| Heat Deflection Temperature @ 264psi            | °F  | 400                | ASTM D-648  |
| Conductivity                                    | 10 <sup>-4</sup> Cal/sec/cm <sup>2</sup> /°C/cm | .09                | ASTM C-177  |
| UL Temperature Index, Elec/Mech                 | °C  |                    |             |
| Flame Resistance<br>@ 1.5mm (1/16")             |   | V-0                | UL 94       |

Unless otherwise indicated, all properties values are based on tests performed on standard ASTM test samples and according to ASTM test methods. This information is presented in good faith, but is to be used as a guide only. No other guarantee is implied.

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