

| TYPICAL PHYSICAL PROPERTIES         | UNITS OF MEASURE  | VALUE                  | ASTM METHOD                   |
|-------------------------------------|-------------------|------------------------|-------------------------------|
| <b>Physical</b>                     |                   |                        |                               |
| Density                             | g/cm <sup>3</sup> | 1.47                   | D 792                         |
| Water Absorption                    | %                 | .03                    | D 570                         |
| Rockwell Hardness                   | R Scale           | 117                    | D 2842                        |
| Hardness                            | Shore D           | 85                     | D 2240                        |
| Cell Class                          | -                 | 23446                  | D 1784                        |
| <b>Mechanical</b>                   |                   |                        |                               |
| Izod Impact                         | ft-lb/in          | 10.0                   | D 256                         |
| Tensile Strength                    | psi               | 7,300                  | D 638                         |
| Tensile Modulus                     | psi               | 390,000                | D 638                         |
| Flexural Strength                   | psi               | 12,700                 | D 790                         |
| Flexural Modulus                    | psi               | 382,000                | D 790                         |
| Compressive Modulus                 | Psi               | 156,300                | D 695                         |
| <b>Thermal</b>                      |                   |                        |                               |
| Heat Deflection Temp (264 psi)      | °F                | 194                    | D 648                         |
| Coefficient of Linear Expansion     | in/in/°F          | 3.9 x 10 <sup>-5</sup> | D 696                         |
| Thermal Conductivity                | BTU               | 0.95                   | C 177                         |
| <b>Flammability Ratings</b>         |                   |                        |                               |
| Vertical Burn Test                  | -                 | V-0                    | UL 94<br>(tested, not listed) |
| Limiting Oxygen Index               | %                 | 58 - 62                | D 2863                        |
| Fire Resistance (per NSF standards) | in/min            | Did not burn           | D635                          |
| <b>Electrical</b>                   |                   |                        |                               |
| Dielectric Strength                 | kV/cm             | 1,250                  | D 147                         |
| Dielectric Constant                 | 60 HZ             | 3.70                   | D 150                         |
| Volume Resistivity                  | Ohm / cm          | 3.4 x 10 <sup>15</sup> | D 257                         |
| Power Factor                        | 100 HZ            | 0.01%                  | D 150                         |

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