

Superior electrical performance with low pressure molding for V-0 flame resistance in encapsulation applications.

| Property  | Test Method, Unit              | Properties     | Test Method, Unit          | Properties |
|---|--------------------------------|----------------|----------------------------|------------|
| <b>Physical and Mechanical Properties</b>       |                                |                |                            |            |
| Impact Strength                                 | ASTM D256, FT- LBS/IN          | 1.5 – 2.0      | ISO-179, kJ/m <sup>2</sup> | 7.5 – 10   |
| Flexural Strength                               | ASTM D790, PSI                 | 8 – 10,000     | ISO-178, MPa               | 55 – 69    |
| Flexural Modulus                                | ASTM D790, 10 <sup>6</sup> PSI | --             | ISO-178, GPa               | --         |
| Tensile Strength                                | ASTM D638, PSI                 | 3 – 4,000      | ISO-527, MPa               | 21 – 28    |
| Compressive Strength                            | ASTM D695, PSI                 | 13,000         | ISO-604, MPa               | 145        |
| Water Absorption                                | ASTM D570, %                   | 0.15           | ISO-62, %                  | 0.15       |
| Specific Gravity                                | ASTM D792, G/CM <sup>3</sup>   | 1.80           | ISO-1183, --               | 1.80       |
| Shrinkage                                       | ASTM D955, IN/IN               | 0.0005 – 0.002 | ISO-2577, %                | 0.05 – 0.2 |
| Hardness  | ASTM D2583, Barcol             | 20 – 30        | ASTM D2583, Barcol         | 20 – 30    |
| Bulk Factor App.                                | ASTM D1895, --                 | 1              | ASTM D1895, --             | 1          |
| <b>Electrical Properties</b>                    |                                |                |                            |            |
| Dielectric Strength                             | ASTM D149, kV/in               | --             | ISO-243, kV/mm             | --         |
| Arc Resistance                                  | ASTM D495, Seconds             | 180+           | ASTMD495, Seconds          | 180+       |
| <b>Thermal &amp; Flame Retardant Properties</b> |                                |                |                            |            |
| Heat Deflection Temperature @ 264PSI            | ASTM D648, °F                  | > 400          | ISO-75, °C                 | > 204      |
| Flame Resistance                                |                                |                |                            |            |
| @ 1.5 mm  |                                | V-0            |                            | V-0        |
| @ 3.0 mm  | UL94                           | V-0            | UL94                       | V-0        |
| @ 6.0 mm  |                                | --             |                            | --         |

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