

| <b>Processing/Physical Characteristics</b> | <b>Value</b>  | <b>Unit</b> | <b>Test Standard</b> |
|--|---------------|-------------|----------------------|
| <b>ASTM Data</b>                           |               |             |                      |
| Melt Flow Index, MFI                       | <b>15</b>     | g/10min     | ASTM D 1238          |
| Temperature                                | <b>300</b>    | °C          | -                    |
| Load                                       | <b>1.2</b>    | kg          | -                    |
| Mold Shrinkage, MD                         | <b>0.0065</b> | mm/mm       | ASTM D 955           |

| <b>Mechanical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>             |              |             |                      |
| Tensile Strength at Yield    | <b>57.9</b>  | MPa         | ASTM D 638           |
| Elongation at Break          | <b>120</b>   | %           | ASTM D 638           |
| Flexural Modulus             | <b>2453</b>  | MPa         | ASTM D 790           |
| Flexural Strength            | <b>93.2</b>  | MPa         | ASTM D 790           |
| Rockwell Hardness            | <b>R 117</b> | -           | ASTM D 785           |
| Izod Impact notched, 1/8 in  | <b>613</b>   | J/m         | ASTM D 256           |

| <b>Thermal properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>          |              |             |                      |
| UL 94 Flame rating        | <b>V-1</b>   | -           | UL 94                |
| Thickness tested          | <b>0.85</b>  | mm          | -                    |
| DTUL @ 264 psi            | <b>127</b>   | °C          | ASTM D 648           |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1250</b>  | kg/m <sup>3</sup> | ASTM D 792           |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature                           | <b>100 - 120</b> | °C          | -                    |
| Pre-drying - Time                                  | <b>4 - 6</b>     | h           | -                    |
| Processing humidity                                | <b>≤0.02</b>     | %           | -                    |
| Melt temperature                                   | <b>260 - 280</b> | °C          | -                    |
| Mold temperature                                   | <b>60 - 90</b>   | °C          | -                    |
| Zone 1   | <b>250 - 280</b> | °C          | -                    |
| Zone 2   | <b>260 - 290</b> | °C          | -                    |
| Zone 3   | <b>260 - 290</b> | °C          | -                    |
| Nozzle temperature                                 | <b>260 - 280</b> | °C          | -                    |
| Screw speed  | <b>40 - 70</b>   | rpm         | -                    |
| Back pressure                                      | <b>1 - 4</b>     | MPa         | -                    |

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

White

**Special Characteristics**

Flame retardant, Halogen-free

**Features**

Light Reflecting

**Applications**

Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America