

**Product Texts**

This material displays high mechanical and electrical properties; self-attenuates after the ignition source is exterminated; is resilient to nonpolar solvents, hydrocarbons (kerosene, gasoline, benzene etc.), mineral oils, strong and weak alkali, weak acids. Available in natural color.

| <b>Processing/Physical Characteristics</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| <b>ISO Data</b>                            |              |             |                      |
| Melt flow index, MFI                       | <b>5</b>     | g/10min     | ISO 1133             |
| Temperature                                | <b>250</b>   | °C          | -                    |
| Load                                       | <b>2.16</b>  | kg          | -                    |
| Molding shrinkage, parallel                | <b>0.2</b>   | %           | ISO 294-4, 2577      |
| Molding shrinkage, normal                  | <b>0.8</b>   | %           | ISO 294-4, 2577      |

| <b>Mechanical properties</b>  | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>               |              |                   |                      |
| Tensile Strength              | <b>140</b>   | MPa               | ISO 527              |
| Strain at break               | <b>5</b>     | %                 | ISO 527              |
| Charpy impact strength, +23°C | <b>36</b>    | kJ/m <sup>2</sup> | ISO 179/1eU          |

| <b>Thermal properties</b>                | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| <b>ISO Data</b>                          |              |             |                      |
| Melting temperature, 10°C/min            | <b>216</b>   | °C          | ISO 11357-1/-3       |
| Temp. of deflection under load, 1.80 MPa | <b>195</b>   | °C          | ISO 75-1/-2          |
| <b>ASTM Data</b>                         |              |             |                      |
| UL 94 Flame rating                       | <b>V-0</b>   | -           | UL 94                |

| <b>Electrical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ISO Data</b>              |              |             |                      |
| Volume resistivity           | <b>1E13</b>  | Ohm*m       | IEC 62631-3-1        |
| Electric strength            | <b>25</b>    | kV/mm       | IEC 60243-1          |
| Comparative tracking index   | <b>175</b>   | -           | IEC 60112            |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1580</b>  | kg/m <sup>3</sup> | ISO 1183             |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| Melt temperature                                   | <b>240</b>   | °C          | -                    |
| Mold temperature                                   | <b>80</b>    | °C          | -                    |

**Characteristics**

**Processing**

Injection Molding

**Delivery form**

Natural Color

**Special Characteristics**

Flame retardant

**Chemical Resistance**

Acid Resistance, Alkali Resistance, Solvent Resistance, Oil Resistance

**Applications**

Aircraft and Aerospace, Automotive, Electrical and Electrical

**Regional Availability**

Europe