

**Product Texts**

This material displays high mechanical and electrical properties; resilient to hydrocarbons (kerosene, gasoline, benzene etc.), mineral and synthetic oils, strong and weak alkali, weak acids.

Available in natural and black colors.

| <b>Processing/Physical Characteristics</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| <b>ISO Data</b>                            |              |             |                      |
| Melt flow index, MFI                       | <b>7</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>6</b>     | %                 | ISO 527              |
| Charpy impact strength, +23°C         | <b>75</b>    | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C | <b>22</b>    | kJ/m <sup>2</sup> | ISO 179/1eA          |

| <b>Thermal properties</b>                   | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---|--------------|-------------|----------------------|
| <b>ISO Data</b>                             |              |             |                      |
| Melting temperature, 10°C/min               | <b>218</b>   | °C          | ISO 11357-1/-3       |
| Temp. of deflection under load, 1.80 MPa    | <b>190</b>   | °C          | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa    | <b>210</b>   | °C          | ISO 75-1/-2          |
| Coeff. of linear therm. expansion, parallel | <b>30</b>    | E-6/K       | ISO 11359-1/-2       |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1280</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>260</b>   | °C          | -                    |
| Mold temperature                                   | <b>80</b>    | °C          | -                    |

**Characteristics**

**Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Chemical Resistance**

Acid Resistance, Alkali Resistance, Oil Resistance

**Applications**

Aircraft and Aerospace, Automotive, Electrical and Electronical

**Regional Availability**

Europe