

**Product Texts**

Medium viscosity polyamide 6 with recycled content as well as 35% glass fibre reinforcement and heat stabilization. For molding parts with very high stiffness and good thermal stability.

| <b>Mechanical properties</b>          | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|---------------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>                       |              |                   |                      |
| Tensile Modulus                       | <b>9800</b>  | MPa               | ISO 527              |
| Stress at break                       | <b>160</b>   | MPa               | ISO 527              |
| Strain at break                       | <b>3.2</b>   | %                 | ISO 527              |
| Charpy impact strength, +23°C         | <b>65</b>    | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C | <b>10</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>                          |              |             |                      |
| Temp. of deflection under load, 1.80 MPa | <b>200</b>   | °C          | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa | <b>210</b>   | °C          | ISO 75-1/-2          |
| Burning behav. at 1.5 mm nom. thickn.    | <b>HB</b>    | class       | IEC 60695-11-10      |
| Thickness tested                         | <b>1.6</b>   | mm          | -                    |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Water absorption        | <b>5.6</b>   | %                 | Sim. to ISO 62       |
| Humidity absorption     | <b>1.6</b>   | %                 | Sim. to ISO 62       |
| Density                 | <b>1400</b>  | kg/m <sup>3</sup> | ISO 1183             |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature                           | <b>80</b>        | °C          | -                    |
| Pre-drying - Time                                  | <b>4 - 8</b>     | h           | -                    |
| Processing humidity                                | <b>≤0.1</b>      | %           | -                    |
| Mold temperature                                   | <b>40 - 80</b>   | °C          | -                    |
| Feed temperature                                   | <b>60 - 80</b>   | °C          | -                    |
| Zone 1   | <b>240 - 260</b> | °C          | -                    |
| Nozzle temperature                                 | <b>250 - 270</b> | °C          | -                    |
| Maximum residence time                             | <b>10</b>        | min         | -                    |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Heat stabilized or stable to heat

**Certifications**

Recycled Resin Content

**Regional Availability**

Europe