

**Product Texts**

Standard type with medium viscosity partly aromatic Polyamid with 50% glass fiber content and heat stabilized. This Product is suitable for drinking water contact. For all kind of injection molding parts with high stiffness at excellence thermal stability, low moisture absorption and which a drinking water approval is needed.

<b>Mechanical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>19000 / 18500</b>	MPa	ISO 527
Stress at break	<b>240 / 220</b>	MPa	ISO 527
Strain at break	<b>1.8 / 1.8</b>	%	ISO 527
Charpy impact strength, +23°C	<b>80 / 80</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>11 / 11</b>	kJ/m <sup>2</sup>	ISO 179/1eA

<b>Thermal properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>330 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>285 / *</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>295 / *</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>Electrical properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Electric strength	<b>30 / -</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>550 / -</b>	-	IEC 60112

<b>Other properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>3 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>1.3 / *</b>	%	Sim. to ISO 62
Density	<b>1630 / -</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 - 12</b>	h	-
Processing humidity	<b>≤0.1</b>	%	-
Mold temperature	<b>140 - 160</b>	°C	-
Feed temperature	<b>60 - 80</b>	°C	-
Zone 1	<b>330 - 340</b>	°C	-
Nozzle temperature	<b>335 - 350</b>	°C	-
Maximum residence time	<b>8</b>	min	-

**Characteristics**

**Processing**

Injection Molding

**Certifications**

Drinking water contact, Drinking water contact KTW

**Delivery form**

Pellets

**Regional Availability**

Europe

**Special Characteristics**

Heat stabilized or stable to heat