

**Product Texts**

PA66 blend with partially aromatic content, 40% glass fibre reinforcement and heat stabilization. This Product is suitable for drinking water contact / coldwater.

For all kind of injection moulding parts with high requirements to stiffness 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>13500 / 12500</b>	MPa	ISO 527
Strain at break	<b>3 / 3</b>	%	ISO 527
Charpy impact strength, +23°C	<b>95 / 95</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>15 / 15</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>260 / *</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>238 / *</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>247 / *</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>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
Water absorption	<b>4.5 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>1.6 / *</b>	%	Sim. to ISO 62
Density	<b>1460 / -</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>80 - 120</b>	°C	-
Feed temperature	<b>60 - 80</b>	°C	-
Zone 1	<b>260 - 290</b>	°C	-
Nozzle temperature	<b>270 - 300</b>	°C	-
Maximum residence time	<b>8</b>	min	-

**Characteristics**

**Processing**

Injection Molding

**Certifications**

Drinking water contact

**Delivery form**

Pellets

**Regional Availability**

Europe

**Special Characteristics**

Heat stabilized or stable to heat