

**Product Texts**

60% long glass fiber reinforced PA66 blend with partially aromatic content.  
 For moulded parts with high requirements to impact, stiffness  
 and flexural strength. Granule length 10 - 14 mm.

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>22000 / 21000</b>	MPa	ISO 527
Stress at break	<b>290 / -</b>	MPa	ISO 527
Strain at break	<b>2 / -</b>	%	ISO 527
Charpy impact strength, +23°C	<b>95 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	<b>85 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	<b>40 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	<b>40 / -</b>	kJ/m <sup>2</sup>	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
<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>255 / *</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	-

Other properties	dry / cond	Unit	Test Standard
Water absorption	<b>3.4 / *</b>	%	Sim. to ISO 62
Humidity absorption	<b>1.1 / *</b>	%	Sim. to ISO 62
Density	<b>1680 / -</b>	kg/m <sup>3</sup>	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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>80 - 120</b>	°C	-
Zone 1	<b>290 - 310</b>	°C	-
Nozzle temperature	<b>285 - 310</b>	°C	-
Maximum residence time	<b>8</b>	min	-

**Characteristics**

**Processing**

Injection Molding

**Features**

Long fiber reinforced

**Delivery form**

Pellets

**Regional Availability**

Europe

**Special Characteristics**

High impact or impact modified