

**Product Texts**

Base Polymer	Polyamide 6
Filler	15% carbon fiber
Colour	black
Special Features	medium viscosity
Market Segment	Automotive, Sport

**Processing/Physical Characteristics**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	80 / *	cm <sup>3</sup> /10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5 / *	%	ISO 294-4, 2577

**Mechanical properties**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	12000 / 6000	MPa	ISO 527
Tensile Strength	160 / 95	MPa	ISO 527
Strain at break	2.6 / 6	%	ISO 527
Flexural modulus, 23°C	10100 / -	MPa	ISO 178
Flexural strength	245 / -	MPa	ISO 178
Charpy impact strength, +23°C	48 / 68	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	6 / 10	kJ/m <sup>2</sup>	ISO 179/1eA

**Thermal properties**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	206 / *	°C	ISO 75-1/-2

**Electrical properties**

	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1.61 / -	Ohm*m	IEC 62631-3-1
Surface resistivity	* / 161	Ohm	IEC 62631-3-2

**Other properties**

	dry / cond	Unit	Test Standard
Density	1200 / -	kg/m <sup>3</sup>	ISO 1183
Global warming potential	5.91	kg CO <sub>2</sub> eq./kg	ISO 14040, 14044

**Processing Recommendation Injection Molding**

	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 8	h	-
Processing humidity	≤0.12	%	-
Melt temperature	250 - 270	°C	-
Mold temperature	60 - 100	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive, Sports Equipment

**Delivery form**

Black

**Regional Availability**

Europe