

**Product Texts**

Base Polymer	Polypropylene
Filler	40% carbon fiber
Colour	black
Special Features	low emission, heat ageing stabilisation
Market Segment	Automotive, Sport

**Processing/Physical Characteristics**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	2	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.1	%	ISO 294-4, 2577

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	16000	MPa	ISO 527
Tensile Strength	92	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	17800	MPa	ISO 178
Flexural strength	153	MPa	ISO 178
Charpy impact strength, +23°C	35	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m <sup>2</sup>	ISO 179/1eA

**Thermal properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature, 10°C/min	160	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	156	°C	ISO 75-1/-2

**Electrical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	0.1	Ohm*m	IEC 62631-3-1
Surface resistivity	10	Ohm	IEC 62631-3-2

**Other properties**

	Value	Unit	Test Standard
Density	1130	kg/m <sup>3</sup>	ISO 1183
Global warming potential	1.41	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 - 4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	210 - 260	°C	-
Mold temperature	30 - 60	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Low Emission

**Applications**

Automotive, Sports Equipment

**Regional Availability**

Europe