

Product Texts

Base Polymer	Polyamide 66
Filler	10% carbon fiber
Colour	natural (carbon optic)
Special Features	medium viscosity
Market Segment	Automotive, Sport

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	40	cm ³ /10min	ISO 1133
Temperature	300	°C	-
Load	1.2	kg	-
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	9000	MPa	ISO 527
Tensile Strength	145	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Charpy impact strength, +23°C	30	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3.5	kJ/m ²	ISO 179/1eA

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	260	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	247	°C	ISO 75-1/-2

Electrical properties

	Value	Unit	Test Standard
ISO Data			
Volume resistivity	26	Ohm*m	IEC 62631-3-1
Surface resistivity	2350	Ohm	IEC 62631-3-2

Other properties

	Value	Unit	Test Standard
Density	1180	kg/m ³	ISO 1183
Global warming potential	6.04	kg CO ₂ 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	280 - 300	°C	-
Mold temperature	80 - 120	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Applications

Automotive, Sports Equipment

Regional Availability

Europe