

Product Texts

Base Polymer	Polypropylene
Filler	10% carbon fiber
Colour	grey 7012
Special Features	-
Market Segment	Automotive, Engineering and Construction

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	30	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.4	%	ISO 294-4, 2577

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	6000	MPa	ISO 527
Tensile Strength	60	MPa	ISO 527
Strain at break	4	%	ISO 527
Charpy impact strength, +23°C	28	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	6	kJ/m ²	ISO 179/1eA

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	160	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	147	°C	ISO 75-1/-2
Vicat softening temperature, B	102	°C	ISO 306

Other properties

	Value	Unit	Test Standard
Density	950	kg/m ³	ISO 1183

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

Regional Availability

Europe

Applications

Automotive