

Product Texts

Base Polymer	Polypropylene
Filler	20% glass fiber
Colour	black
Special Features	processing stabilized, heat ageing stabilisation
Market Segment	Automotive, Various

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	25	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.5	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7	%	ISO 294-4, 2577

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3500	MPa	ISO 527
Tensile Strength	43	MPa	ISO 527
Strain at break	4.5	%	ISO 527
Flexural modulus, 23°C	3000	MPa	ISO 178
Flexural strength	60	MPa	ISO 178
Charpy impact strength, +23°C	35	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Shore D hardness	67	-	ISO 7619-1

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	168	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	141	°C	ISO 75-1/-2
Vicat softening temperature, B	108	°C	ISO 306

Other properties

	Value	Unit	Test Standard
Density	1040	kg/m ³	ISO 1183

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 100	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.1	%	-
Melt temperature	200 - 270	°C	-
Mold temperature	20 - 60	°C	-

Characteristics**Processing**

Injection Molding

Certifications

Recycled Resin Content

Delivery form

Black

Applications

Automotive

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Europe