

Product Texts

Base Polymer	Polyamide 6
Filler	30% glass fiber
Colour	black
Special Features	industrial quality
Market Segment	Various

Processing/Physical Characteristics

	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	60	cm ³ /10min	ISO 1133
Temperature	275	°C	-
Load	5	kg	-

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	7000	MPa	ISO 527
Tensile Strength	110	MPa	ISO 527
Strain at break	5	%	ISO 527
Flexural modulus, 23°C	5700	MPa	ISO 178
Flexural strength	137	MPa	ISO 178
Charpy impact strength, +23°C	60	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	219	°C	ISO 11357-1/-3

Other properties

	Value	Unit	Test Standard
Density	1360	kg/m ³	ISO 1183
Global warming potential	0.66	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	240 - 270	°C	-
Mold temperature	60 - 100	°C	-

Characteristics**Processing**

Injection Molding

Certifications

Recycled Resin Content

Delivery form

Black

Regional Availability

Europe