

Product Texts

Base Polymer	Polyamide 66
Filler	50% glass fiber
Colour	black
Special Features	industrial quality
Market Segment	Various

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	20 / *	cm ³ /10min	ISO 1133
Temperature	300 / *	°C	-
Load	1.2 / *	kg	-
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	12500 / 8000	MPa	ISO 527
Tensile Strength	140 / 100	MPa	ISO 527
Strain at break	3 / 5.2	%	ISO 527
Flexural modulus, 23°C	11500 / 7500	MPa	ISO 178
Flexural strength	240 / 150	MPa	ISO 178
Charpy impact strength, +23°C	54 / 59	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7 / 10	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	265 / *	°C	ISO 11357-1/-3

Other properties	dry / cond	Unit	Test Standard
Water absorption	2.2 / *	%	Sim. to ISO 62
Humidity absorption	0.2 / *	%	Sim. to ISO 62
Density	1550 / -	kg/m ³	ISO 1183
Global warming potential	0.84	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

Certifications

Recycled Resin Content

Delivery form

Black

Regional Availability

Europe