



Document	ISO Datasheet
Description	PP GF 20
Grade	ISOGLASS XT 4007H BK
Code	
Application	Automotive / Structural components

20% chemically coupled high performance glass fiber reinforced polypropylene homopolymer. High stiffness and low emission. Black colour.

Properties	Method	Unit	Value
Physical			
Melt flow rate (230°C - 2,16 Kg)	ISO 1133	g/10'	7
Density at 23°C	ISO 1183	g/cm ³	1,04
Mould Shrinkage (%)	INTERNAL	%	0,4 – 0,6
Filler Content (0,5h/750°C)	ISO 3451-1	%	20
Thermal			
Vicat B50	ISO 306	°C	148
HDT, A (1.80 MPa)	ISO 75/Ae	°C	150
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	6100
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	90
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	3,0
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	9
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	55
Flammability Class			
Flammability class (1,6 mm)	UL94		HB
Regulations compliance			
RoHS compliance status	COMPLIANT		
EN71			
UL listed file n°			
Water contact approvals			
Food contact status			

[§] Moulding shrinkage is not an intrinsic property of plastics. It also depends on moulding parameters. The values reported have been calculated in the direction parallel to the flow in a 3.0 x 12.7 x 127 mm sample.

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