



Document	ISO Datasheet
Description	PP GF 40
Grade	GREEN ISOGLASS H 40 CGF X HS BK
Code	
Application	Automotive / Under the hood

40% glass fiber reinforced polypropylene. Industrial quality. Black colour. Heat stabilized.

Properties	Method	Unit	Value
Physical			
Melt flow rate (230°C - 2,16 Kg)	ISO 1133	g/10'	10
Density at 23°C	ISO 1183	g/cm ³	1,21
Mould Shrinkage (%)	INTERNAL	%	0,3 – 0,4
Filler Content (0,5h/750°C)	ISO 3451-1	%	40
Thermal			
Vicat B50	ISO 306	°C	135
HDT, A (1.80 MPa)	ISO 75/Ae	°C	140
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	6000
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	80
Tensile stress at break (23°C-50 mm/min)	ISO 527-2	MPa	78
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	3,0
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	9
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	10
Flammability Class			
Flammability class (1,6 mm)	UL94		HB
Regulations compliance			
RoHS compliance status			
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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