



Document	ISO Datasheet
Description	PP GF 40
Grade	ISOGLASS H 40 CGF C NA
Code	
Application	Injection Moulding/Technical Components

40% glass fiber reinforced homopolymer polypropylene. Natural 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	1,25
Mould Shrinkage (%)	INTERNAL	%	0,3
Filler Content (1h/600°C)	ISO 3451-1	%	40
Thermal			
Vicat B50	ISO 306	°C	140
HDT, A (1.80 MPa)	ISO 75/Ae	°C	150
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	7600
Tensile stress at yield (23°C-5 mm/min)	ISO 527-2	MPa	92
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	92
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	3,0
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	9
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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