



Document	ISO Datasheet
Description	PP GF 50
Grade	ISOGLASS XT 1003H
Code	
Application	EXTERIOR – HANDLES

50% chemically coupled high performance glass fiber reinforced polypropylene homopolymer. High stiffness grade. Heat stabilized.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt flow rate (230°C - 2,16 Kg)	ISO 1133	g/10'	3,5
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,33
Mould Shrinkage (%)	INTERNAL	%	0,2 – 0,3
Filler content (1h/600°C)	ISO 3451-1	%	50
<b>Thermal</b>			
Vicat B50	ISO 306	°C	150
HDT, A (1.80 MPa)	ISO 75/Ae	°C	155
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	13000
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	120
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	9
<b>Flammability Class</b>			
Flammability class (1,6 mm)	UL94		HB
<b>Regulations compliance</b>			
RoHS compliance status	COMPLIANT		
EN71			
UL listed file n°			
Water contact approvals			
Food contact status			

<sup>§</sup> 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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