



Document	ISO Datasheet
Description	PP GF 20
Grade	ISOGLASS K 20 CGF X NA
Code	
Application	Injection Moulding

20% glass fiber reinforced copolymer polypropylene. Natural colour.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt flow rate (230°C - 2,16 Kg)	ISO 1133	g/10'	10
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,04
Mould Shrinkage (%)	INTERNAL	%	0,6
Filler Content (1h/600°C)	ISO 3451-1	%	20
<b>Thermal</b>			
Vicat B50	ISO 306	°C	120
HDT, A (1.80 MPa)	ISO 75/Ae	°C	147
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	3400
Tensile stress at yield (23°C-5 mm/min)	ISO 527-2	MPa	70
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	70
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	4,0
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	13
<b>Flammability Class</b>			
Flammability class (3,0 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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