



Document	ISO Datasheet
Description	PP GF 30
Grade	GREEN ISOGLASS H 30 CGF C HS BK
Code	
Application	Automotive / Under the hood

30% chemically coupled glass fiber reinforced polypropylene. Industrial grade. Black colour. Heat stabilized.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt flow rate (230°C - 2,16 Kg)	ISO 1133	g/10'	6
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,15
Mould Shrinkage (%)	INTERNAL	%	0,4 – 0,5
Filler Content (0,5h/750°C)	ISO 3451-1	%	30
<b>Thermal</b>			
Vicat B50	ISO 306	°C	127
HDT, A (1.80 MPa)	ISO 75/Ae	°C	138
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	4900
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	6500
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	75
Tensile stress at break (23°C-50 mm/min)	ISO 527-2	MPa	74
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	2,7
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	9
Izod unnotched impact strength (23°C)	ISO 180/1U	KJ/m <sup>2</sup>	35
<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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#### **Sirmax s.p.a.**

E.A.R. N° 91334  
P.IVA 00168180248  
sirmax@sirmax.com

#### **Group Headquarter:**

Viale dell'Artigianato, 42  
35013 Cittadella (PD) – Italy  
Tel. +39 049 9441111 – Fax +39 049 9441112