



Document	ISO Datasheet
Description	PP GF 35
Grade	ISOGLASS XT 7001H BK
Code	
Application	Automotive / Under the hood

35% chemically coupled glass fiber reinforced polypropylene homopolymer. Low flowability grade. Black colour. Heat stabilized.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt flow rate (230°C - 2,16 Kg)	ISO 1133	g/10'	3,0
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,16
Mould Shrinkage (%)	INTERNAL	%	0,2 - 0,4
Filler Content (1h/600°C)	ISO 3451-1	%	35
<b>Thermal</b>			
Vicat B50	ISO 306	°C	142
HDT, A (1.80 MPa)	ISO 75/Ae	°C	152
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	8000
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	8800
Tensile stress at yield (23°C-5 mm/min)	ISO 527-2	MPa	105
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	3,0
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m <sup>2</sup>	12
Charpy notched impact strength (-30°C)	ISO 179/1eA	KJ/m <sup>2</sup>	9
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m <sup>2</sup>	50
<b>Flammability Class</b>			
Flammability class (3,0 mm)	UL94		HB
<b>Processing Conditions</b>			
Melt Temperature Range	ISO 294	°C	230 - 250
Mold Temperature Range	ISO 294	°C	30 - 50
Injection Velocity	ISO 294		LOW toMEDIUM
Drying Temperature		°C	80

## Regulations compliance

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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