



Document	ISO Datasheet
Description	PP GF 30 FR
Grade	DAFNEGLASS HP 605/K NEUTRO
Code	
Application	Automotive

30% chemically coupled glass fiber reinforced polypropylene. V0 flame retardant grade. Natural colour. Heat stabilized. Flame Retardant grade Without halogens.

Properties	Method	Unit	Value
Physical			
Melt flow rate (230°C – 2,16 Kg)	ISO 1133	g/10'	2,0
Density at 23°C	ISO 1183	g/cm ³	1,28 – 1,30
Mould Shrinkage (%)	INTERNAL	%	0,2 – 0,4
Thermal			
Vicat B50	ISO 306	°C	145
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 Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	9750
Tensile stress at yield (23°C-5 mm/min)	ISO 527-2	MPa	96
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	95
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	2,5
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	8
Flammability			
Glow Wire Flammability Index GWFI (1,5 mm)	IEC 60695-2-12	°C	960
Glow Wire Ignition Temperature GWIT (1,5 mm)	IEC 60695-2-13	°C	775
Flammability class (0,8 mm)	UL94		V0
Processing Conditions			
Melt Temperature Range	ISO 294	°C	230 – 250
Mold Temperature Range	ISO 294	°C	30 – 50
Injection Velocity	ISO 294		LOW to MEDIUM
Drying Temperature		°C	80

Drying Time

2

Regulations compliance

RoHS compliance status: COMPLIANT

EN71:

UL listed file n°: QMFZ2.E220931

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 4.0 x 10.0 x 170 mm sample.

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