



Document	ISO Datasheet
Description	PP GF 30 FR
Grade	DAFNEGLASS HP 505/K NA
Code	
Application	Electrical

25% glass fiber reinforced homopolymer polypropylene. 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'	3,5
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	140
HDT, A (1.80 MPa)	ISO 75/Ae	°C	145
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	7000
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	7600
Tensile stress at yield (23°C-5 mm/min)	ISO 527-2	MPa	84
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	83
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 ²	9
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	40
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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