



Document	ISO Datasheet
Description	PP GF 50
Grade	DAFNELEN HP 1003/S
Code	
Application	WASHING MACHINE

50% glass fibers chemical grafting.

Properties	Method	Unit	Value
Physical			
Melt flow rate (230°C – 2,16 Kg)	ISO 1133	g/10'	3
Density at 23°C	ISO 1183	g/cm ³	1,32
Mould Shrinkage (%)	INTERNAL	%	0,1 – 0,3
Filler Content (1h/600°C)	ISO 3451-1	%	50
Thermal			
Vicat B50	ISO 306	°C	144
HDT, A (1.80 MPa)	ISO 75/Ae	°C	152
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	10500
Tensile stress at yield (23°C-5 mm/min)	ISO 527-2	MPa	110
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	12
Flammability			
Flammability class (1,6 mm)	UL94		HB
Processing Conditions			
Melt Temperature Range	ISO 294	°C	220 - 240
Mold Temperature Range	ISO 294	°C	20 – 70
Injection Velocity	ISO 294		Medium
Drying Temperature		°C	70
Drying Time		h	1
Regulations compliance			
RoHS compliance status:	COMPLIANT		
EN71:			
UL listed file n°:			

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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