



Document	ISO Datasheet
Description	PA 6 GF50
Grade	ISONYL A 6 GF50
Code	
Application	EXTERIOR - SAFETY SYSTEM DOOR HANDLE

50% glass fiber reinforced Polyamide 6.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm3	1,55
Mould Shrinkage (%)	INTERNAL	%	0,1 – 0,3
Thermal			
Vicat B50	ISO 306	°C	215
HDT, A (1.80 MPa)	ISO 75/Ae	°C	210
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	12000
Tensile stress at yield (23°C-5 mm/min)	ISO 527-2	MPa	200
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	13
Flammability Class			
Flammability class (3,0 mm)	UL94		HB
Processing Conditions			
Melt Temperature Range	ISO 294	°C	240-280
Mold Temperature Range	ISO 294	°C	60-80
Injection Velocity	ISO 294		MEDIUM
Drying Temperature		°C	80-100
Drying Time		Hour	3
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 3.0 x 12.7 x 127 mm sample.

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