



Document	ISO Datasheet
Description	PA 6
Grade	ISONYL A 6 GF30
Code	
Application	Handles, electric cards, connectors, seat parts, door opening system, ventilator

PA6 30% glass fiber reinforced.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,36
Mould Shrinkage (%)	INTERNAL	%	0,2-0,4
Thermal			
Vicat B50	ISO 306	°C	210
HDT, A (1.80 MPa)	ISO 75/Af	°C	210
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	8000
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	240
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	9200
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	175
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	3
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	12
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m ²	12
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m ²	80
Flammability			
Flammability class (1,6 mm)	UL94		HB
Processing Conditions			
Melt Temperature Range	ISO 294	°C	230-260
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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