



Document	ISO Datasheet
Description	PA 6
Grade	A 6 GF30 V0 HF
Code	
Application	Injection moulding

30% glass fiber. Flame Retardant grade Without halogens.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,41
Mould Shrinkage (%)	INTERNAL	%	0,1-0,3
Thermal			
Vicat B50	ISO 306	°C	205
HDT, A (1.80 MPa)	ISO 75/Af	°C	195
HDT, B (0.45 MPa)	ISO 75/Af	°C	210
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	9000
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	10000
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	150
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	6
Charpy unnotched impact strength (23°C) ISO	ISO 179/1eU	KJ/m ²	30
Flammability Class			
Flammability class (1,5 mm)	UL94		V0
Flammability class (3,0 mm)	UL94		V0
Processing Conditions			
Melt Temperature Range	ISO 294	°C	240-260
Mold Temperature Range	ISO 294	°C	70-90
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°

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 3.0 x 12.7 x 127 mm sample.

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