



Document	ISO Datasheet
Description	PPO
Grade	A 20 10 GF30
Code	
Application	INJECTION MOULDING

30% glass fiber reinforced PPO.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,27
Filler Content (2h/600°C)	ISO 3451-1	%	30
Thermal			
Vicat B50	ISO 306	°C	145
HDT, A (1.80 MPa)	ISO 75/Af	°C	135
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	6000
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	105
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	2,0
Izod notched impact strength (23°C)	ISO 180/1A	KJ/m ²	3
Izod unnotched impact strength (23°C)	ISO 180/1U	KJ/m ²	26
Flammability			
Flammability class (3,0 mm)	UL94		HB
Processing Conditions			
Melt Temperature Range	ISO 294	°C	280-310
Mold Temperature Range	ISO 294	°C	80-100
Injection Velocity	ISO 294		HIGH
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 4.0 x 10.0 x 170 mm sample.

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