



Document	ISO Datasheet
Description	PPO
Grade	A 120 GF0 V0
Code	
Application	Pieces for solar panels, submersible pumps, braking control system

PPO flame retardant UL94 V0 1,5mm.

Properties	Method	Unit	Value
<b>Physical</b>			
Melt Volume Rate (280°C – 2,16 Kg)	ISO 1133	cm <sup>3</sup> /10'	25
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,10
Mould Shrinkage (%)	INTERNAL	%	0,6
<b>Thermal</b>			
Vicat B50	ISO 306	°C	95
HDT, A (1.80 MPa)	ISO 75/Af	°C	80
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2250
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	65
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	30
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	10
Izod notched impact strength (23°C)	ISO 180/1A	KJ/m <sup>2</sup>	9
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m <sup>2</sup>	9
<b>Flammability</b>			
Flammability class (1,5 mm)	UL94		V0
<b>Processing Conditions</b>			
Melt Temperature Range	ISO 294	°C	280-300
Mold Temperature Range	ISO 294	°C	80-100
Injection Velocity	ISO 294		HIGH
Drying Temperature		°C	80-100
Drying Time		Hour	3
<b>Regulations compliance</b>			

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 4.0 x 10.0 x 170 mm sample.

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