



Document	ISO Datasheet
Description	PPO
Grade	A 20 90 GF20 W
Code	
Application	INJECTION MOULDING

20% glass fiber reinforced PPO. WRAS approved.

Properties	Method	Unit	Value
<b>Physical</b>			
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,21
Filler Content (2h/600°C)	ISO 3451-1	%	20
<b>Thermal</b>			
Vicat B50	ISO 306	°C	135
HDT, A (1.80 MPa)	ISO 75/Af	°C	130
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	4500
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	90
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	3,0
Izod notched impact strength (23°C)	ISO 180/1A	KJ/m <sup>2</sup>	3
Izod unnotched impact strength (23°C)	ISO 180/1U	KJ/m <sup>2</sup>	25
<b>Flammability</b>			
Flammability class (3,0 mm)	UL94		HB
<b>Processing Conditions</b>			
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
<b>Regulations compliance</b>			
RoHS compliance status:	COMPLIANT		
EN71:			
UL listed file n°:			

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Water contact approvals.

WRAS

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Food contact status:

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§ 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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