Isoryl®

Document	ISO Datasheet
Description	PPO
Grade	A 120 T20 V1 A
Code	
Application	INJECTION MOULDING

20% mineral filled PPO. Good flowability. Flame retardant grade.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (280°C – 5,00 Kg)	ISO 1133	g/10'	16
Density at 23°C	ISO 1183	g/cm3	1,21
Mould Shrinkage (%)	INTERNAL	%	0,3-0,5
Thermal			
Vicat B50	ISO 306	°C	130
HDT, A (1.80 MPa)	ISO 75/Af	°C	120
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	3600
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	60
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	5,0
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m²	5,0
Izod unnotched impact strength (23°C)	ISO 180/1U	KJ/m²	40
Flammability			
Glow Wire Flammability Index GWFI (3,0 mm)	IEC 60695-2-12	°C	960
Flammability class (1,5 mm)	UL94		V1
Electrical			
Comparative tracking index CTI	IEC 60112	V	300
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

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Regulations compliance	
RoHS compliance status:	COMPLIANT
EN71:	
UL listed file nº:	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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