



Document	ISO Datasheet
Description	PPO
Grade	A 137
Code	
Application	INJECTION MOULDING

Unfilled polyphenyloxyde resin.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (280°C – 2,16 Kg)	ISO 1133	g/10'	15
Density at 23°C	ISO 1183	g/cm ³	1,06
Mould Shrinkage (%)	INTERNAL	%	0,5-0,7
Thermal			
Vicat B50	ISO 306	°C	135
HDT, A (1.80 MPa)	ISO 75/Af	°C	125
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2100
Tensile stress at break (23°C-50 mm/min)	ISO 527-2	MPa	55
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	10
Flammability			
Flammability class (3,0 mm)	UL94		HB
Processing Conditions			
Melt Temperature Range	ISO 294	°C	270-300
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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Sirmax s.p.a.

E.A.R. N° 91334
P.IVA 00168180248
sirmax@sirmax.com

Group Headquarter:

Viale dell'Artigianato, 42
35013 Cittadella (PD) – Italy
Tel. +39 049 9441111 – Fax +39 049 9441112