SIRMAX®

ISO Datasheet

ISONYL®		
	Code	
	Grade	A 6 GF15 V2 HF
	Polymer	PA 6
	Application	Injection moulding

15% glass fiber reinforced PA 6. Flame retardant grade halogen and phosphorus free.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm3	1,22-1,24
Filler Content (1h/600°C)	ISO 3451-1	%	15
Thermal			
Vicat B50	ISO 306	°C	195
Mechanical at 23 ºC			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	5000
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	170
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	110
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	3,0
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m²	6
Flammability Class			
Flammability class (1,5 mm)	UL94		V2
Glow Wire Flammability Index GWFI (1,0 mm)	IEC 60695-2-12	°C	960

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

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

Sales office, administration and production plant
Via dell'artigianato, 42
35010 Cittadella (PD) – Italy
Tel. 049 9441111 – Fax 049 9441112

Registered office and warehouse
Via dell'artigianato, 42
35010 Cittadella (PD) – Italy
Tel. 049 9441111 – Fax 049 9441112

Water contact approvals.	
Food contact status:	

Technical documents

Material safety datasheet:	http://www.sirmax.it/sites/default/files/ISONYL%C2%AE%20MSDS.pdf

Revision number/date: 0 MAR 22

§ 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 3.0 x 12.7 x 127 mm sample.

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