SIRMAX

ISO Datasheet

ISONYL		
	Code	
	Grade	A 66 GF30 HSR BK
	Polymer	Polyamide 66
	Application	Injection moulding

30% glass fiber reinforced polyamide 66. Heat stabilized,Hydrolysis resistant. Black color.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm3	1,36
Mould Shrinkage (%)	INTERNAL	%	0,1 - 0,3
Filler Content (1h/600°C)	ISO 3451-1	%	30
Thermal			
Vicat B50	ISO 306	°C	250
HDT, A (1.80 MPa)	ISO 75/Af	°C	250
HDT, B (0.45 MPa)	ISO 75/Af	°C	255
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	9000
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	260
Tensile Modulus (23°C-1 mm/min)	ISO 527-2	MPa	10000
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	195
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	10
Charpyunnotched impact strength (23°C)	ISO 179/1eU	KJ/m²	70
Flammability Class			
Flammability class (3,0 mm)	UL94		HB
Regulations compliance			

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 Fabbrega, 18
36030 Isola Vicentina (VI) – Italy

RoHS compliance status:	COMPLIANT
EN71:	
UL listed file n°:	
Water contact approvals.	
Food contact status:	

Technical documents

Process data for injection moulding:	http://www.sirmax.it/sites/default/files/ISONYL%C2%AE%20Process%20Data.pdf
Material safety datasheet:	http://www.sirmax.it/sites/default/files/ISONYL%C2%AE%20MSDS.pdf

Revision number/date: 0 SEP 19

§ 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.

Disclaimer

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

The value above is the representative value of the NP standard and may have deviation. It can only be used for selecting materials and shall not be regarded as a material specification and cannot be used for molding designs. Information inserted in this document such as data, statements, representative values, etc. are provided solely for customer convenience. It does not expressly or impliedly guarantee anything regarding the safety or practicability of the (1) materials, (2) products, and/or (3) design that utilizes recommendations or proposals, of Sirmax. Furthermore, nothing in the contents of this document shall have any legal binding effect, and especially, the representative value is simply for reference and is not a minimum value that has legal binding effect.

Whether materials and/or products of Sirmax and/or a design that uses or utilizes Sirmax recommendations or proposals are (is) compatible with individual uses shall be determined solely by each user and such user shall be solely responsible for any results, including but not limited to, any and all loss and damages incurred due to such uses. Users must implement and verify all testing and analyses for proving the safety and compatibility of final products that have been created or altered by using Sirmax's materials or products. The data and values inserted and/or contained in this document may be changed due to quality improvement of the product without any prior notification.

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 Fabbrega, 18
36030 Isola Vicentina (VI) – Italy