

ISONYL®

Code	
Grade	A 66 GF50 HS BK
Polymer	Polyamide 66
Application	Injection moulding

50% glass fiber reinforced PA66. Black colour. Heat stabilized.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,56
Filler Content (1h/600°C)	ISO 3451-1	%	50
Thermal			
Vicat B50	ISO 306	°C	255
HDT, A (1.80 MPa)	ISO 75/Ae	°C	255
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	14000
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	220
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	2,0
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	14
Izod unnotched impact strength (23°C)	ISO 180/1U	KJ/m ²	100
Flammability Class			
Flammability class (3,0 mm)	UL94		HB

Regulations compliance

RoHS compliance status: COMPLIANT

EN71:

UL listed file n°:

SIRMAX S.P.A.

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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 jul 18

§ 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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