SIRMAX

ASTM Datasheet

ISONYL	Grade	A 6 GF30 NA	Code	160016
	Polymer	Polyamide 6		
	Application	Injection moulding		

30% glass fiber reinforced polyamide 6. Natural colour.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ASTM D729	g/cm3	1,36
Mould Shrinkage (%)	INTERNAL	%	0,4
Filler Content (1h/600°C)	ASTM D5630	%	30
Thermal			
Vicat B50	ASTM D638	°C	215
HDT, A (1.80 MPa)	ASTM D648	°C	205
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ASTM D790	MPa	8000
Tensile stress at break (23°C-5 mm/min)	ASTM D638	MPa	170
Tensile elong. at break (23°C-5 mm/min)	ASTM D638	%	3,0
Izod notched impact strength (23°C) ASTM	ASTM D256	J/m	150
Flammability Class			
Flammability class (3,0 mm)	UL94		HB

Regulations compliance	
RoHS compliance status:	COMPLIANT
UL listed file n°:	

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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

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§ 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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