

ISONYL

Code	180037
Grade	A 66 GF35 HS BK
Polymer	Polyamide 66
Application	Automotive / Under the hood

35% Glass fiber reinforced polyamide 66. Black colour. Heat stabilized.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,40
Mould Shrinkage (%)	INTERNAL	%	0,4
Filler Content (1h/600°C)	ISO 3451-1	%	35
Thermal			
Vicat B50	ISO 306	°C	235
HDT, A (1.80 MPa)	ISO 75/Ae	°C	250
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	9400
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	200
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/m ²	13
Izod unnotched impact strength (23°C)	ISO 180/1U	KJ/m ²	80
Flammability Class			
Flammability class (3,0 mm)	UL94		HB

Regulations compliance

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 MAR 17

§ 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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