

<b>ISONYL<sup>®</sup></b>	Code	
	Grade	B 6 GF40 BK
	Polymer	PA 6
	Application	Injection moulding

40% glass fiber reinforced polyamide 6. Black color.

Properties	Method	Unit	Value
<b>Physical</b>			
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,44
Mould Shrinkage (%)	INTERNAL	%	0,3-0,5
Filler Content (1h/600°C)	ISO 3451-1	%	40
<b>Thermal</b>			
Vicat B50	ISO 306	°C	210
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	11500
Flexural strenght (23°C - 2 mm/min)	ISO 178	MPa	255
Tensile stress at break (23°C-5 mm/min)	ISO 527-2	MPa	185
Tensile elong. at break (23°C-5 mm/min)	ISO 527-2	%	4,0
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	12
<b>Flammability Class</b>			
Flammability class (3,00 mm)	UL94		HB
<b>Processing Conditions</b>			
Melt Temperature Range	ISO 294	°C	240-265
Mold Temperature Range	ISO 294	°C	70-90
Injection Velocity	ISO 294		MEDIUM
Drying Temperature		°C	80-100
Drying Time		Hour	3

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## Regulations compliance

RoHS compliance status: **COMPLIANT**

EN71:

UL listed file n°:

Water contact approvals.

Food contact status:

Revision number/date: 0 DEC 21

<sup>§</sup> 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 125 x 160 mm sample.

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