

ISONYL®	Code	
	Grade	I6 BK
	Polymer	PA 6
	Application	Injection moulding

Unfilled. Black color.

Properties	Method	Unit	Value
Physical			
Density at 23°C	ISO 1183	g/cm ³	1,13
Mould Shrinkage (%)	INTERNAL	%	1,1-1,5
Thermal			
HDT, A (1.80 MPa)	ISO 75/Af	°C	50
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	2500
Flexural strength (23°C - 2 mm/min)	ISO 178	MPa	80
Tensile Modulus (23°C - 1 mm/min)	ISO 527-2	MPa	2700
Tensile stress at yield (23°C-50 mm/min)	ISO 527-2	MPa	55
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	10
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m ²	6,0
Flammability Class			
Flammability class (1,5 mm)	UL94		HB

Regulations compliance

RoHS compliance status: **COMPLIANT**

EN71:

UL listed file n°:

Water contact approvals.

Food contact status:

Technical documents

Material safety datasheet:

<http://www.simax.it/sites/default/files/DAFNEMID%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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