

<b>ISONYL<sup>®</sup></b>	<b>Code</b>	
	<b>Grade</b>	A 66
	<b>Polymer</b>	Polyamide 66
	<b>Application</b>	Injection moulding

Unfilled PA66.

Properties	Method	Unit	Value
<b>Physical</b>			
Density at 23°C	ISO 1183	g/cm <sup>3</sup>	1,14
Mould Shrinkage (%)	INTERNAL	%	1,4-1,8
<b>Thermal</b>			
Vicat B50	ISO 306	°C	240
HDT, A (1.80 MPa)	ISO 75/Af	°C	65
<b>Mechanical at 23 °C</b>			
Flexural Modulus (23°C - 2 mm/min)	ISO 178	MPa	3100
Tensile stress at break (23°C-50 mm/min)	ISO 527-2	MPa	60
Tensile elong. at break (23°C-50 mm/min)	ISO 527-2	%	50
Izod notched impact strength (23°C) ISO	ISO 180/1A	KJ/m <sup>2</sup>	5,0
Charpy notched impact strength (23°C)	ISO 179/1eA	KJ/m <sup>2</sup>	5,0
Charpy unnotched impact strength (23°C)	ISO 179/1eU	KJ/m <sup>2</sup>	NB
<b>Flammability</b>			
Glow Wire Flammability Index GWFI (1,5 mm)	IEC 60695-2-12	°C	800
Glow Wire Flammability Index GWFI (3,00 mm)	IEC 60695-2-12	°C	800
<b>Flammability Class</b>			
Flammability class (1,6 mm)	UL94		V2

## Regulations compliance

RoHS compliance status: **COMPLIANT**

EN71:

UL listed file n°:

Water contact approvals.

Food contact status:

Revision number/date: 0 FEB 22

<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 12.7 x 127 mm sample.

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