

ISODUR

Grade	A 15 10 GF30 NA	Code	1B0004
Polymer	PBT		
Application	Injection moulding		

30% glass fiber reinforced PBT. Natural colour.

Properties	Method	Unit	Value
Physical			
Melt Flow Rate (250°C - 2,16 Kg)	ASTM D1238	g/10'	15
Density at 23°C	ASTM D729	g/cm ³	1,53
Mould Shrinkage (%)	INTERNAL	%	0,5
Filler Content (1h/600°C)	ASTM D5630	%	30
Thermal			
Vicat B50	ASTM D1525	°C	210
HDT, A (1.80 MPa)	ASTM D648	°C	205
Mechanical at 23 °C			
Flexural Modulus (23°C - 2 mm/min)	ASTM D790	MPa	7200
Tensile stress at break (23°C-5 mm/min)	ASTM D638	MPa	115
Tensile elong. at break (23°C-5 mm/min)	ASTM D638	%	2,0
Izod notched impact strength (23°C) ASTM	ASTM D256	J/m	80
Flammability Class			
Flammability class (3,0 mm)	UL94		HB

Regulations compliance

RoHS compliance status: COMPLIANT

UL listed file n°:

Water contact approvals.

Food contact status:

Technical documents

Process data for injection moulding: <http://www.sirmax.it/sites/default/files/ISODUR%C2%AE%20Process%20Data.pdf>

Material safety datasheet: <http://www.sirmax.it/sites/default/files/ISODUR%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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