

ISONYL[®]

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|-------------|--------------------|
| Code | |
| Grade | B 6 GF50 BK |
| Polymer | PA 6 |
| Application | Injection moulding |

50% glass fiber reinforced polyamide 6. Black color.

| Properties | Method | Unit | Value |
|---|------------|-------------------|---------|
| Physical | | | |
| Density at 23°C | ISO 1183 | g/cm ³ | 1,60 |
| Mould Shrinkage (%) | INTERNAL | % | 0,2-0,7 |
| Filler Content (1h/600°C) | ISO 3451-1 | % | 50 |
| Thermal | | | |
| Vicat B50 | ISO 306 | °C | 215 |
| Mechanical at 23 °C | | | |
| Flexural Modulus (23°C - 2 mm/min) | ISO 178 | MPa | 15000 |
| Flexural strenght (23°C - 2 mm/min) | ISO 178 | MPa | 275 |
| Tensile stress at break (23°C-5 mm/min) | ISO 527-2 | MPa | 205 |
| 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 | 11 |
| Flammability Class | | | |
| Flammability class (3,00 mm) | UL94 | | HB |
| Processing Conditions | | | |
| 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 |

SIRMAX S.P.A.

E.A.R. N° 91334
P.IVA 00168180248
sirmax@sirmax.com

Sales office, administration and production plant

Via dell'artigianato, 42
35010 Cittadella (PD) – Italy
Tel. 049 9441111 – Fax 049 9441112

Registered office and warehouse

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35010 Cittadella (PD) – Italy
Tel. 049 9441111 – Fax 049 9441112

Regulations compliance

RoHS compliance status: **COMPLIANT**

EN71:

UL listed file n°:

Water contact approvals.

Food contact status:

Revision number/date: 0 DEC 21

[§] 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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