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| ISONYL | Code | |
| | Grade | A 66 GF33 NA |
| | Polymer | Polyamide 66 |
| | Application | |

33% glass fiber reinforced polyamide 66. Natural colour.

| Properties | Method | Unit | Value |
|---|-------------|-------------------|--------------|
| Physical | | | |
| Density at 23°C | ISO 1183 | g/cm ³ | 1,38 |
| Filler Content (1h/600°C) | ISO 3451-1 | % | 33 |
| Thermal | | | |
| Vicat B50 | ISO 306 | °C | 250 |
| HDT, A (1.80 MPa) | ISO 75/Ae | °C | 255 |
| Mechanical at 23 °C | | | |
| Tensile Modulus (23°C - 1 mm/min) | ISO 527-2 | MPa | 10500 |
| Tensile stress at break (23°C-5 mm/min) | ISO 527-2 | MPa | 195 |
| Tensile elong. at break (23°C-5 mm/min) | ISO 527-2 | % | 3,5 |
| Charpy notched impact strength (23°C) | ISO 179/1eA | KJ/m ² | 12 |
| Charpy unnotched impact strength (23°C) | ISO 179/1eU | KJ/m ² | 89 |
| Flammability Class | | | |
| Flammability class (1,6 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.sirmax.it/sites/default/files/ISONYL%C2%AE%20MSDS.pdf>

Revision number/date: 0 SEP 18

§ 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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