iglidur® RW370, filament for 3D printing

RW370-PF-0175-0750





iglidur® RW370, filament for 3D printing

- Wear-resistant and flame-retardant in accordance with UL94-V0 and DIN EN 45545
- Temperature-resistant up to 170 °C
- Suitable for processing with high-temperature 3D printers

Product description

Introducing the iglidur RW370 filament for 3D printing, designed specifically for the railway industry. This fire-retardant, high-temperature filament meets UL94-V0 and EN45545 standards, ensuring safety and durability. With a remarkable temperature resistance of up to 170 °C and exceptional mechanical strength, it is perfect for demanding applications. Ideal for both prototyping and production, iglidur RW370 is your go-to choice for reliable performance in high-temperature environments.

Thermal properties

Max. long-term application temperature	170 °C
Max. short-term application temperature	190 °C
Lower application temperature	-50 °C

General properties

Colour	yellow
Density	1.34 g/cm³
Max. moisture absorption	0.25 Wt.- %
Max. total moisture absorption	1.2 Wt.- %

Dimensions

Net weight	750 g
Outer diameter spool	200 mm
Inner diameter spool	52 mm
Spool width	55 mm

Processing instructions

Bed temperature (min.)	180 °C
Bed temperature (max.)	220 °C
Construction space	Closed installation space necessary
Nozzle temperature (min.)	360 °C
Nozzle temperature (max.)	390 °C
Suitable for glue stick	No

Properties and approvals

Food industry	No
PFAS-tested	No
Flame-retardant	Yes
Mould-resistant according to DIN EN ISO 846 Procedure A	No

Mechanical properties

Flexural strength printed flat	91 MPa
Flexural strength printed upright	30 MPa
Modulus of elasticity printed flat	2.177 MPa
Modulus of elasticity printed upright	1.407 MPa
Shore D hardness	80.0000

Certificates and standards

