iglidur® A350, 3D printing filament

A350-PF-0175-0750





iglidur® A350, 3D printing filament

- Wear-resistant, visually detectable, and food-safe in accordance with FDA and EU Regulation 10/2011
- Autoclavable, hydrolysis-resistant, and temperature-resistant up to 180 °C
- Compatible with high-temperature 3D printers

Product description

Introducing the iglidur A350, a food-safe high-temperature filament designed for 3D printing in the food and packaging industry. This FDA-compliant material is temperature-resistant up to 180 °C and features a fire-retardant quality according to UL94-V0. With its industry-standard blue color, iglidur A350 is perfect for applications requiring high hygiene standards. Ideal for high-temperature 3D printers, this filament ensures reliable performance in demanding environments.

Electricity attributes

Specific transitional resistance	
Surface resistance	> 10^{10} Ω

Thermal properties

Max. long-term application temperature	180 °C
Max. short-term application temperature	210 °C
Lower application temperature	-100 °C

General properties

Colour	blue
Density	1.42 g/cm³
Max. moisture absorption	0.6 Wt.- %
Max. total moisture absorption	1.9 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.)	250 °C
Construction space	Closed build chamber required
Nozzle temperature (min.)	350 °C
Nozzle temperature (max.)	400 °C
Suitable for glue stick	No

Properties and approvals

Food industry	Yes
EU 10/2011 compliant	Yes
FDA compliant	Yes
PFAS-tested	No
Flame-retardant	Yes
Mould-resistant according to DIN EN ISO 846 Procedure A	No

Mechanical properties

Flexural strength printed flat	50 MPa
Flexural strength printed upright	46 MPa
Modulus of elasticity printed flat	1250 MPa
Modulus of elasticity printed upright	1390 MPa
Shore D hardness	76.0000