

iglidur® i151, filament for 3D printing

I151-PF-0175-0750



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- Wear-resistant and visually detectable for use in the food industry
- Food-safe in accordance with FDA and EU Regulation 10/2011
- Easy to process on all standard 3D printers

Product description

Introducing the iglidur i151 filament for 3D printing, a versatile choice from igus. This easy-to-process, abrasion-resistant filament is specifically designed for food-grade applications, meeting FDA and EU regulations. Its vibrant blue color ensures optical detectability, making it ideal for the food and packaging industry. Compatible with all common 3D printers, iglidur i151 combines excellent mechanical properties with user-friendly handling. Elevate your 3D printing projects with this reliable and compliant material.

Thermal properties

Max. long-term application temperature	65 °C
Max. short-term application temperature	75 °C
Lower application temperature	-30 °C

Dimensions

Net weight	750 g
Outer diameter spool	200 mm
Inner diameter spool	55 mm
Spool width	58 mm

Processing instructions

Bed temperature (min.)	65 °C
Bed temperature (max.)	80 °C
Construction space	No closed installation space necessary
Nozzle temperature (min.)	235 °C
Nozzle temperature (max.)	245 °C
Suitable for glue stick	Yes



General properties

Colour	blue
Density	1.42 g/cm³

Properties and approvals

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

Mechanical properties

Tensile strength printed flat	28 MPa
Flexural strength printed flat	43 MPa
Modulus of elasticity printed flat	1400 MPa
Shore D hardness	69.0000