

iglidur® i150, filament for 3D printing

I150-BL-PF-0175-0750



iglidur® i150, filament for 3D printing

- Easy to process on all common 3D printers
- High abrasion resistance at low surface speeds
- Available in white and black
- iglidur i150 in white: Food compliant according to EU Regulation 10/2011

Product description

Discover the iglidur i150 filament for 3D printing, a versatile solution from igus. This easy-to-process, black filament boasts high wear resistance and is suitable for food contact, complying with EU Regulation 10/2011. Ideal for various applications, it performs well on any common 3D printer. With a great surface finish, it's perfect for visible parts. Available on a convenient 2 kg spool, it minimizes spool changes, enhancing productivity. Elevate your 3D printing experience with iglidur i150.

Thermal properties

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

Dynamic properties

Coefficient of sliding friction, dynamic, against Cf53 steel	0.1500
Coefficient of friction, dynamic, against 304 stainless steel	0.1500

General properties

Colour	black
Density	1.3 g/cm ³
Max. moisture absorption	0.3 Wt.-%
Max. total moisture absorption	0.7 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.)	65 °C
Bed temperature (max.)	75 °C
Construction space	No closed installation space necessary
Nozzle temperature (min.)	225 °C
Nozzle temperature (max.)	240 °C
Suitable for glue stick	Yes

Properties and approvals

Food industry	Yes
EU 10/2011 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	39 MPa
Tensile modulus printed flat	1390 MPa
Flexural strength printed flat	67 MPa
Modulus of elasticity printed flat	2350 MPa
Shore D hardness	62.0000