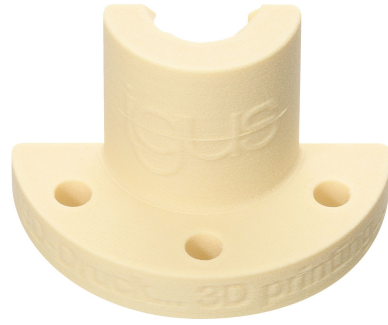
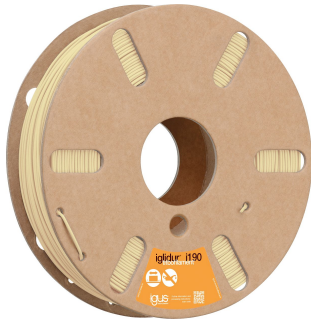


iglidur® i190, filament for 3D printing

I190-PF-0175-0750



iglidur® i190, filament for 3D printing

- Optimal combination of friction and wear resistance, high strength, and ease of processing
- Temperature-resistant up to 90 °C
- Easy to process on all standard 3D printers

Product description

iglidur i190 filament offers a perfect mix of low friction, high wear resistance, and strength. This flexible, durable material works well with most standard 3D printers and handles temperatures up to 90 °C. Enriched with solid lubricants, it's ideal for applications needing toughness and easy processing, making it a reliable choice for versatile 3D printing projects.

Thermal properties

Max. long-term application temperature	90 °C
Max. short-term application temperature	120 °C
Lower application temperature	-40 °C

General properties

Colour	beige
Density	1.37 g/cm³
Max. moisture absorption	1.4 Wt.-%
Max. total moisture absorption	6 Wt.-%

Dynamic properties

Coefficient of sliding friction, dynamic, against Cf53 steel	0.2500
Coefficient of friction, dynamic, against 304 stainless steel	0.1600



Dimensions

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

Processing instructions

Bed temperature (min.)	70 °C
Bed temperature (max.)	90 °C
Construction space	No closed installation space necessary
Nozzle temperature (min.)	270 °C
Nozzle temperature (max.)	280 °C
Suitable for glue stick	Yes

Properties and approvals

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

Mechanical properties

Flexural strength printed flat	75 MPa
Modulus of elasticity printed flat	2400 MPa
Shore D hardness	71.0000