iglidur® J260, filament for 3D printing

J260-PF-0175-0750



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- Extremely high wear resistance, especially in demanding plain bearing applications
- Temperature-resistant up to 120 °C
- Challenging to process on 3D printers with a heated build chamber

Product description

Introducing the iglidur J260 filament for 3D printing, a premium product from the iglidur family by igus. This wear-resistant filament offers exceptional temperature resistance up to 120 °C, making it ideal for both prototypes and high-volume production. With its excellent coefficient of friction, it ensures reliable performance under low to medium loads. Designed for expert processing, the iglidur J260 is perfect for those seeking quality and durability in their 3D printing projects.

Physical properties

Thermal expansion coefficient (at 23°C/73°F)	13 K^-1 10^-5, test method DIN 53752
Heat conductivity	0.24 W/(m K), test method ASTM C 177

Thermal properties

Max. long-term application temperature	120 °C
Max. short-term application temperature	140 °C
Lower application temperature	-100 °C

Dynamic properties

Coefficient of sliding friction, dynamic, against Cf53 steel	0.1600
Coefficient of friction, dynamic, against 304 stainless steel	0.1400

General properties

Colour	yellow
Density	1.35 g/cm³
Max. moisture absorption	0.2 Wt.- %
Max. total moisture absorption	0.4 Wt.- %

Dimensions

Net weight	750 g
Outer diameter spool	200 mm
Inner diameter spool	55 mm
Spool width	67 mm

Processing instructions

Bed temperature (min.)	100 °C
Bed temperature (max.)	130 °C
Construction space	Closed installation space necessary
Nozzle temperature (min.)	260 °C
Nozzle temperature (max.)	280 °C
Suitable for glue stick	No

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	41 MPa
Flexural strength printed upright	13 MPa
Modulus of elasticity printed flat	1000 MPa
Shore D hardness	66.0000