

iglidur® J350, bar stock round bar

SFRJ350-6500



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- Excellent coefficient of friction against steel
- Continuous service temperature up to +180 °C
- For medium to high loads
- Fulfils the fire prevention requirements of the Federal Aviation Administration of the USA (FAA) for aircraft interiors
- Particularly well-suited to rotating movements

Product description

Introducing the iglidur® J350 round bar, a versatile solution for creating maintenance-free sliding elements and bearings. This lubrication-free bar stock is designed for high performance, offering excellent coefficients of friction against steel and a continuous service temperature of up to +180 °C. Ideal for medium to high loads, it meets FAA fire prevention standards, making it perfect for applications in medical technology, special machine construction, and plant construction. Experience flexibility and strength with iglidur® J350.

Dimensions

Outer diameter d	65 mm
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Processing instructions

Sawing	undefined undefined
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Electricity attributes

Specific transitional resistance	> 10 ¹² (DIN IEC93)
Surface resistance	> 10 ¹⁰ (DIN 53482)

Properties and approvals

Certificates and standards (icons)	undefined undefined
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Requirements

FDA compliant	No
EU 10/2011 compliant	No
ESD compliant	No
Mould-resistant according to DIN EN ISO 846 Procedure A	No
RoHS 2 compliant according to EU guideline 2011/65/EU	Yes

Thermal properties

Lower application temperature	-100 °C
Max. long-term application temperature	180 °C
Max. short-term application temperature	220 °C
Thermal expansion coefficient (at 23°C/73°F)	7 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.24 W/(m K)

Mechanical properties

Modulus of elasticity	2000 MPa
Flexural strength (at 20°C/68°F)	55 MPa
Shore D hardness	80.0000
Compressive strength	60 MPa
Max. recommended surface pressure	60 MPa

General properties

Material	iglidur® J350
Density	1.44 g/cm ³
Colour	yellow
Max. moisture absorption	0.3 Wt.-%
Max. total moisture absorption	1.6 Wt.-%
Coefficient of friction, dynamic, against steel	0.10 - 0.20
pv value, max. (dry)	0.45 MPa m/s

Certificates and standards

