

iglidur® X, bar stock round bar

SFRX-7000



iglidur® X, bar stock round bar

- Continuous operating temperatures from -100 to +250°C
- Extremely high chemical resistance
- Complies with the fire prevention requirements of the Federal Aviation Administration of the USA (FAA) for aircraft interiors
- Excellent wear resistance under water
- High compressive strength
- Mould resistant according to DIN EN ISO 846

Product description

Introducing the iglidur® X round bar, a versatile solution for creating maintenance-free sliding elements and bearings. Made from high-quality materials, this bar stock is designed for various applications, including medical technology and special machine construction. It offers excellent wear resistance, high compressive strength, and is mould resistant. Ideal for custom dimensions, the iglidur® X round bar can withstand temperatures from -100 to +250°C, making it a reliable choice for demanding environments.

Dimensions

Outer diameter d	70 mm
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Processing instructions

Sawing	undefined undefined
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Electricity attributes

Specific transitional resistance	< 10 ⁵ (DIN IEC93)
Surface resistance	< 10 ³ (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	Yes
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	250 °C
Max. short-term application temperature	315 °C
Thermal expansion coefficient (at 23°C/73°F)	5 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.60 W/(m K)

Mechanical properties

Modulus of elasticity	8100 MPa
Flexural strength (at 20°C/68°F)	170 MPa
Shore D hardness	85.0000
Compressive strength	100 MPa
Max. recommended surface pressure	150 MPa

General properties

Material	iglidur® X
Density	1.44 g/cm ³
Colour	black
Max. moisture absorption	0.1 Wt.-%
Max. total moisture absorption	0.5 Wt.-%
Coefficient of friction, dynamic, against steel	0.09 - 0.27
pv value, max. (dry)	1.32 MPa m/s

Certificates and standards

