

iglidur® HSD350, bar stock round bar

SFRHSD350-4000



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- Sterilisable
- For continuous use up to +180 °C
- High media resistance
- Corrosion-free
- For wet environments
- Lubrication and maintenance-free

Product description

Introducing the iglidur® HSD350 round bar, a versatile and maintenance-free solution for your sliding elements and bearings. Made from high-quality, lubrication-free material, it withstands continuous use up to +180 °C and offers excellent chemical resistance. Ideal for wet environments, this corrosion-free bar stock is sterilisable, ensuring optimal performance in various applications, including medical and laboratory technology. Choose iglidur® HSD350 for reliable, long-lasting solutions tailored to your needs.

Dimensions

Outer diameter d	40 mm
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Processing instructions

Sawing	undefined undefined
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Electricity attributes

Specific transitional resistance	> 10 ¹³ (DIN IEC93)
Surface resistance	> 10 ¹⁴ (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	-40 °C
Max. long-term application temperature	180 °C
Max. short-term application temperature	210 °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	2150 MPa
Flexural strength (at 20°C/68°F)	67 MPa
Shore D hardness	77.0000
Compressive strength	30 MPa
Max. recommended surface pressure	30 MPa

General properties

Material	iglidur® HSD350
Density	1.39 g/cm³
Colour	beige
Max. moisture absorption	0.6 Wt.-%
Max. total moisture absorption	1.2 Wt.-%
Coefficient of friction, dynamic, against steel	0.07 - 0.23
pv value, max. (dry)	0.30 MPa m/s

Certificates and standards

