

iglidur® A180, bar stock round bar

SFRA180-1000



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- Complies with food and drug administration (FDA) regulations for repeated contact with food
- Good media resistance
- For wet environments
- High wear resistance

Product description

Introducing the iglidur® A180 round bar, a versatile solution for creating maintenance-free sliding elements and plain bearings. Made from FDA-compliant materials, it ensures safe contact with food and offers excellent wear resistance, making it ideal for wet environments. With high compressive strength and flexibility, this bar stock is perfect for various applications in medical technology, special machine construction, and plant construction. Experience the reliability of iglidur® A180 for your custom bearing needs.

Dimensions

Outer diameter d	10 mm
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Processing instructions

Sawing	undefined undefined
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Electricity attributes

Specific transitional resistance	> 10 ¹²
Surface resistance	> 10 ¹¹ (DIN 53482)

Properties and approvals

Certificates and standards (icons)	undefined undefined
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Requirements

FDA compliant	Yes
EU 10/2011 compliant	Yes
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	-50 °C
Max. long-term application temperature	90 °C
Max. short-term application temperature	110 °C
Thermal expansion coefficient (at 23°C/73°F)	11 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.25 W/(m K)

Mechanical properties

Modulus of elasticity	2300 MPa
Flexural strength (at 20°C/68°F)	88 MPa
Shore D hardness	76.0000
Compressive strength	78 MPa
Max. recommended surface pressure	28 MPa

General properties

Material	iglidur® A180
Density	1.46 g/cm³
Colour	White
Max. moisture absorption	0.2 Wt.-%
Max. total moisture absorption	1.3 Wt.-%
Coefficient of friction, dynamic, against steel	0.05 - 0.23
pv value, max. (dry)	0.31 MPa m/s

Certificates and standards

