

iglidur® A160, bar stock round bar

SFRA160-1000



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- Compliant with EC regulation 10/2011 EC, FDA-compliant
- High media resistance
- Lubrication and maintenance-free

Product description

Introducing the iglidur® A160 round bar, a versatile solution for creating maintenance-free sliding elements and bearings. Made from high-quality materials, this bar stock is lubrication-free and compliant with EC regulation 10/2011 and FDA standards, ensuring safety and reliability. It boasts excellent wear and friction properties, making it ideal for various applications in medical technology, special machine construction, and more. Experience flexibility and high compressive strength with the iglidur® A160 round bar, designed for your unique 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 ¹² (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	80 °C
Max. short-term application temperature	100 °C
Thermal expansion coefficient (at 23°C/73°F)	11 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.30 W/(m K)

Mechanical properties

Modulus of elasticity	1151 MPa
Flexural strength (at 20°C/68°F)	19 MPa
Shore D hardness	60.0000
Compressive strength	37 MPa
Max. recommended surface pressure	15 MPa

General properties

Material	iglidur® A160
Density	1 g/cm³
Colour	blue
Max. moisture absorption	0.1 Wt.-%
Max. total moisture absorption	0.1 Wt.-%
Coefficient of friction, dynamic, against steel	0.09 - 0.19
pv value, max. (dry)	0.25 MPa m/s

Certificates and standards

