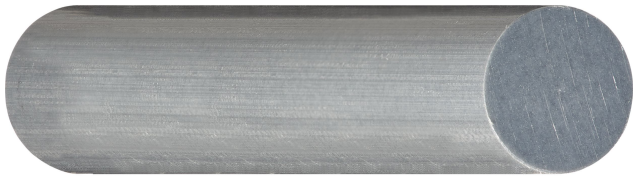


iglidur® UW160, bar stock round bar

SFRUW160-2000



iglidur® UW160, bar stock round bar

- Ideal for continuous use in liquid media, especially drinking water (KTW-compliant)
- Good media resistance
- Extremely wear-resistant in liquids
- Lubrication and maintenance-free

Product description

Introducing the iglidur® UW160 round bar, a versatile solution for creating maintenance-free sliding elements and bearings. This lubrication-free bar stock is perfect for continuous use in liquid media, including drinking water, and boasts excellent wear resistance. Ideal for applications in medical technology and special machine construction, the iglidur® UW160 ensures optimal performance without the need for maintenance. Experience the benefits of high flexibility and compressive strength with this reliable material.

Dimensions

Outer diameter d	20 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 ¹² (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	-50 °C
Max. long-term application temperature	80 °C
Max. short-term application temperature	100 °C
Thermal expansion coefficient (at 23°C/73°F)	18 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.50 W/(m K)

Mechanical properties

Modulus of elasticity	1349 MPa
Flexural strength (at 20°C/68°F)	22 MPa
Shore D hardness	60.0000
Compressive strength	32 MPa
Max. recommended surface pressure	15 MPa

General properties

Material	iglidur® UW160
Density	1.04 g/cm³
Colour	grey
Max. moisture absorption	0.1 Wt.-%
Max. total moisture absorption	0.1 Wt.-%
Coefficient of friction, dynamic, against steel	0.17 - 0.31
pv value, max. (dry)	0.22 MPa m/s

Certificates and standards

