

iglidur® H1, bar stock round bar

SFRH1-4500



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- High wear resistance in extreme ambient conditions
- Very low coefficients of friction
- High resistance to temperature and chemicals
- For underbonnet applications
- Lubrication and maintenance-free

Product description

Introducing the iglidur® H1 round bar, a versatile solution for creating maintenance-free sliding elements and plain bearings. This lubrication-free bar stock is designed for high wear resistance, making it ideal for extreme conditions. With very low coefficients of friction, it excels in temperature and chemical resistance, perfect for underbonnet applications. Available in various shapes and sizes, it meets your specific needs quickly and efficiently. Choose iglidur® H1 for reliable performance in diverse industries.

Dimensions

Outer diameter d	45 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 ¹¹ (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	200 °C
Max. short-term application temperature	240 °C
Thermal expansion coefficient (at 23°C/73°F)	6 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.24 W/(m K)

Mechanical properties

Modulus of elasticity	2800 MPa
Flexural strength (at 20°C/68°F)	55 MPa
Shore D hardness	77.0000
Compressive strength	78 MPa
Max. recommended surface pressure	80 MPa

General properties

Material	iglidur® H1
Density	1.53 g/cm³
Colour	Cream white
Max. moisture absorption	0.1 Wt.-%
Max. total moisture absorption	0.3 Wt.-%
Coefficient of friction, dynamic, against steel	0.06 - 0.20
pv value, max. (dry)	0.80 MPa m/s

Certificates and standards

