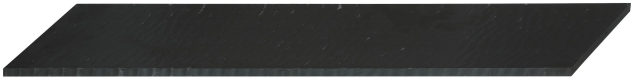


iglidur® X, bar stock plate strips

SFPX-06-160



iglidur® X, bar stock plate strips

- Continuous operating temperatures from -100 to +250°C
- Extremely high chemical resistance
- Complies with the fire prevention requirements of the Federal Aviation Administration of the USA (FAA) for aircraft interiors
- High compressive strength
- Choose the standard length of 1,000mm or have a length cut to size from 100mm

Product description

Introducing the iglidur® X plate strips, a versatile solution from the renowned iglidur® family. These lubrication-free bar stock materials are perfect for creating maintenance-free sliding elements and bearings tailored to your needs. Offering exceptional wear resistance and flexibility, they are ideal for applications in medical technology, special machine construction, and plant construction. Available in standard lengths of 1,000mm or cut to size, they ensure high compressive strength and outstanding chemical resistance.

Properties and approvals

Certificates and standards (icons)	undefined undefined
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Electricity attributes

Specific transitional resistance	< 10 ⁵ (DIN IEC93)
Surface resistance	< 10 ³ (DIN 53482)

Requirements

FDA compliant	No
EU 10/2011 compliant	No
Mould-resistant according to DIN EN ISO 846 Procedure A	No
RoHS 2 compliant according to EU guideline 2011/65/EU	No

Manufacturing and installation tolerances

Tolerance thickness	+ 0.2mm
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Dimensions

Width	160 mm
Thickness	6 mm

Thermal properties

Max. short-term application temperature	315 °C
Lower application temperature	-100 °C
Thermal expansion coefficient (at 23°C/73°F)	5 K ⁻¹ 10 ⁻⁵
Heat conductivity	0.60 W/(m K)
Max. long-term application temperature	250 °C

Mechanical properties

Modulus of elasticity	8100 MPa
Flexural strength (at 20°C/68°F)	170 MPa
Shore D hardness	85.0000
Compressive strength	100 MPa
Max. recommended surface pressure	150 MPa

General properties

Material	iglidur® X
Colour	black
Max. moisture absorption	0.1 Wt.-%
Max. total moisture absorption	0.5 Wt.-%
Coefficient of friction, dynamic, against steel	0.09 - 0.27
pv value, max. (dry)	1.32 MPa m/s

Certificates and standards

