

iglidur® J4, bar stock plate strip

SFP J4-06-160



iglidur® J4, bar stock plate strip

- Low-cost material for large volume production
- For a low coefficient of friction
- Good media resistance
- Low moisture absorption
- Choose the standard length of 1,000mm or have a length cut to size from 100mm

Product description

Introducing the iglidur® J4 plate strip, a cost-effective solution designed for low to medium load applications. This lubrication-free material boasts a low coefficient of friction, excellent media resistance, and low moisture absorption, making it ideal for various industries, including medical technology and plant construction. Available in standard lengths of 1,000mm or customizable from 100mm, the iglidur® J4 ensures flexibility and durability for your maintenance-free sliding elements and plain bearings.

Properties and approvals

|                                    |                     |
|------------------------------------|---------------------|
| Certificates and standards (icons) | undefined undefined |
|------------------------------------|---------------------|

Electricity attributes

|                                  |                                |
|----------------------------------|--------------------------------|
| Specific transitional resistance | > 10 <sup>13</sup> (DIN IEC93) |
| Surface resistance               | > 10 <sup>12</sup> (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 |
|---------------------|---------|



## Dimensions

|           |        |
|-----------|--------|
| Width     | 160 mm |
| Thickness | 6 mm   |

## Thermal properties

|                                              |                                     |
|----------------------------------------------|-------------------------------------|
| Max. short-term application temperature      | 120 °C                              |
| Lower application temperature                | -50 °C                              |
| Thermal expansion coefficient (at 23°C/73°F) | 10 K <sup>-1</sup> 10 <sup>-5</sup> |
| Heat conductivity                            | 0.25 W/(m K)                        |
| Max. long-term application temperature       | 90 °C                               |

## Mechanical properties

|                                   |          |
|-----------------------------------|----------|
| Modulus of elasticity             | 2350 MPa |
| Flexural strength (at 20°C/68°F)  | 70 MPa   |
| Shore D hardness                  | 74.0000  |
| Compressive strength              | 55 MPa   |
| Max. recommended surface pressure | 35 MPa   |

## General properties

|                                                 |              |
|-------------------------------------------------|--------------|
| Material                                        | Iglidur® J4  |
| Colour                                          | grey         |
| 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)                            | 0.30 MPa m/s |

## Certificates and standards

