

iglidur A160 bar stock sheets

SFPA160-02-500-240



iglidur A160 bar stock sheets

- Compliant with EU regulation 10/2011 EC, FDA-compliant
- High media resistance
- Lubrication and maintenance-free
- Resistant to shocks and impacts
- Resistant to dirt and dust
- Excellent coefficient of friction

Product description

Discover iglidur A160 bar stock sheets, a lubrication-free material ideal for designing maintenance-free sliding elements and bearings. These sheets offer high media resistance, shock and impact durability, and excellent resistance to dirt and dust. Fully compliant with EU regulation 10/2011 EC and FDA standards, they ensure reliable, long-lasting performance for your applications.

Properties and approvals

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

Electricity attributes

|                                  |                                |
|----------------------------------|--------------------------------|
| Specific transitional resistance | > 10 <sup>12</sup>             |
| Surface resistance               | > 10 <sup>12</sup> (DIN 53482) |

Manufacturing and installation tolerances

|                     |           |
|---------------------|-----------|
| Tolerance thickness | ± 0,15 mm |
|---------------------|-----------|

Dimensions

|           |        |
|-----------|--------|
| Width     | 240 mm |
| Length    | 500 mm |
| Thickness | 2 mm   |



## Requirements

|                                                         |     |
|---------------------------------------------------------|-----|
| FDA compliant                                           | Yes |
| EU 10/2011 compliant                                    | Yes |
| Mould-resistant according to DIN EN ISO 846 Procedure A | No  |

## Thermal properties

|                                              |                                     |
|----------------------------------------------|-------------------------------------|
| Max. short-term application temperature      | 100 °C                              |
| Max. long-term application temperature       | 80 °C                               |
| Lower application temperature                | -50 °C                              |
| Thermal expansion coefficient (at 23°C/73°F) | 11 K <sup>-1</sup> 10 <sup>-5</sup> |
| 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 |
| 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

