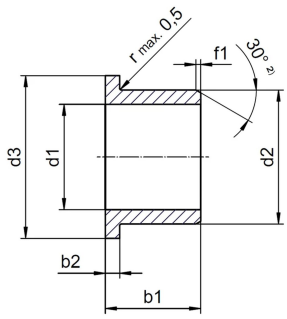
iglidur® A200, flange bearing, mm

AFM-3038-40



iglidur® A200, flange bearing, mm

- Extremely resistant to edge pressure
- Resistant to shocks and impacts
- Resistant to dirt and dust
- FDA-compliant
- EU 10/2011-compliant

Product description

Introducing the iglidur® A200 flange bearing, designed for low-speed applications in the food industry and medical equipment. This FDA-compliant bearing ensures safe contact with food while offering exceptional abrasion resistance. Its unique design allows it to embed dirt and operate quietly, making it ideal for small household appliances. With outstanding resistance to shocks and dirt, the iglidur® A200 is your reliable choice for demanding environments. Trust in quality and compliance with this innovative bearing solution.

Electricity attributes

Specific transitional resistance	> 10^{13} Ωcm, test method DIN IEC 93
Surface resistance	> 10^{12} Ω, test method DIN 53482

Requirements

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

General properties

Coefficient of friction, dynamic, against steel	0,10 - 0,40 µ
pv value, max. (dry)	0.09 MPa · m/s
Radioactive radiation max.	1 10^{4} Gy

Thermal properties

Max. long-term application temperature	80 °C
Max. short-term application temperature	170 °C
Lower application temperature	-40 °C
Heat conductivity	0.24 W/m · K, Prüfmethode ASTM C 177
Thermal expansion coefficient (at 23°C/73°F)	10 K–1 · 10–5 DIN53752

Dimensions

Shaft diameter	30 mm
Ø d2	38 mm
Ø d3 (Flange)	44 mm
b1	40 mm
b2	4 mm
Length of bevel (f1)	0.8 mm
Length of bevel (f4)	0 mm
Bevel angle (f1)	30 °
Bevel angle (f4)	0 °

Mechanical properties

Compressive strength	54 MPa
Max. recommended surface pressure	18 MPa
Maximum surface speed, oscillating, short-term	1.1 m/s
Maximum surface speed, rotating, continuous	0.8 m/s
Maximum surface speed, rotating, short-term	1.5 m/s
Maximum surface speed, oscillating, continuous	0.6 m/s
Maximum surface speed, linear, continuous	2 m/s
Maximum surface speed, linear, short-term	3 m/s

Manufacturing and installation tolerances

b1 tolerance	h13
Tolerance of shaft	h9
d1 after press-fit (max.)	30.195 mm
d1 after press-fit (min.)	30.065 mm
Shaft dimensions (max.)	30 mm
Shaft dimensions (min.)	29.948 mm
Tolerance d2 Housing bore min.	0 mm
Tolerance d2 Housing bore max.	0.025 mm

Certificates and standards