ASEC



SLIDING BEARINGS ASJPE(F)

SKU: ASJPE(F)

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Categories: Plastic bearings

Features

- Continuous use temperature: -50 ℃ ~ + 90 ℃.
- Suitable for dry running, maintenance-free.
- Different shaft materials little wear.
- Low friction coefficient.
- For flexible shaft.
- Low water absorption.

Material
Plastic

The perfect blend of a low coefficient of friction and high wear resistance defines this material, making it ideal for a variety of applications including rotary, linear, and oscillating movements. Remarkably, its wear resistance and friction coefficient remain consistent across these different types of motion, ensuring reliable performance in diverse operational scenarios.

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Availablity		Value	Unit
Min. inside diameter		3	mm
Max. outside diameter		90	mm
Flange diameter		7.5-110	mm
Length standard		3-60	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density		1.48	g/cm³
Thermal conductivity	ASTM C 177	0.25	W/m*K
Max. moisture absorption, 50% RH	ISO62	0.3	%
Water absorption at 23 °C	ISO62	1.3	%
Mechanical properties	**Test standard**	**Value**	**Unit**
Comp. Strength		60	MPa
Module of elasticity	DIN 53457	2.4	MPa
Tensile strength	DIN 53452	73	MPa
Hardness	DIN 53505	74	Shore D
Flexural modulus	ISO178	2600	MPa
Flexural strength	ISO178	60	MPa
Static load		35	MPa
Dynamic load		14	MPa
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-50	°C
Max. working temperature		90	°C
Inter. working temperature		120	°C
Thermal conductivity	ISO22007	0.25	W/m*K
Thermal expansion	ISO11359	10	K^-1*10^-5
Flammability	UL94	HB	[-]
Friction properties	**Test standard**	**Value**	**Unit**
Dynamic friction / steel		0.05-0.15	[-]
Max. PV dry		0.40	MPa*m/s
Electrical properties	**Test standard**	**Value**	**Unit**
Volume resistivity	DIN IEC 93	＞10^13	Ωcm
Surface resistivity	DIN 53482	＞10^12	Ω

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