ASEC



SLIDING BEARINGS ASXPE(F)

SKU: ASXPE(F)

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Categories: Plastic bearings

Features

- Continuous use temperature: -100 ℃ ~ + 250 ℃.
- Suitable for high-load situations.
- High Temperature to maintain a high load carrying capacity.
- Broader chemical resistance.
- Suitable high compressive strength.

Material
Plastic

This self-lubricating material is engineered to withstand temperatures up to 250 degrees Celsius, making it ideal for high-temperature environments. With exceptional chemical resistance, it can withstand exposure to a wide range of corrosive liquids. Its high load carrying capacity further enhances its suitability for applications requiring resistance to both high temperatures and chemical corrosion.

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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		1.65	g/cm³
Thermal conductivity	ASTM C 177	0.6	W/m*K
Water absorption at 23 °C	DIN 53495	0.1	%
Mechanical properties	**Test standard**	**Value**	**Unit**
Comp. Strength		81	MPa
Module of elasticity	DIN 53457	12,5	MPa
Tensile strength	DIN 53452	175	MPa
Hardness	DIN 53505	87	Shore D
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-40	°C
Max. working temperature		200	°C
Inter. working temperature		240	°C
Friction properties	**Test standard**	**Value**	**Unit**
Dynamic friction / steel		0.25-0.40	[-]
Max. PV dry		1.37	MPa*m/s
Electrical properties	**Test standard**	**Value**	**Unit**
Volume resistivity	DIN IEC 93	＞10^4	Ωcm
Surface resistivity	DIN 53482	＞10^5	Ω

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