ASEC



SLIDING BEARINGS ASXZPE(F)

SKU: ASXZPE(F)

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Categories: Plastic bearings

Features

- Continuous use temperature: -100°C/+250°C.
- Suitable for high load movements.
- Allows high operating speeds.
- Boundary pressure permissible.
- Particularly good oscillating behavior.

Material
Plastic

These materials are superb for handling high loads while maintaining low coefficients of friction, capable of withstanding edge loads effectively. Whether paired with flexible or rigid shafts, they demonstrate equal wear resistance, ensuring reliable performance in various applications.

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Availablity		Value	Unit
Min. inside diameter		2	mm
Max. outside diameter		75	mm
Flange diameter		7.5-83	mm
Length standard		3-60	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density	ISO1183	1.4	g/cm³
Thermal conductivity	ISO22007	0.55	W/m*K
Water absorption at 23 °C	ISO62	1.1	%
Flammability	UL94	V0	[-]
Mechanical properties	**Test standard**	**Value**	**Unit**
Hardness	ISO868	80	Shore D
Dynamic load		51	MPa
Bending modulus	ISO178	150	MPa
Flexural modulus	ISO178	4200	MPa
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-100	°C
Max. working temperature		250	°C
Inter. working temperature		310	°C
Friction properties	**Test standard**	**Value**	**Unit**
Dynamic friction / steel		0.05-0.15	[-]
Max. PV dry		1	MPa*m/s
Electrical properties	**Test standard**	**Value**	**Unit**
Volume resistivity	IEC60093	＞10^11	Ωcm
Surface resistivity	IEC60093	＞10^11	Ω

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