ASEC



SLIDING BEARINGS ASWPE(F)

SKU: ASWPE(F)

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Categories: Plastic bearings

Features

- Continuous use temperature: -40°C/+90°C.
- Very wear-resistant and long life.
- Suitable for operation in dust.
- Low requirements for shaft surface roughness.
- Low coefficient of friction.
- Suitable for flexible shafts.

Material
Plastic

This material boasts a low coefficient of friction coupled with high wear resistance, making it exceptionally durable. It excels in applications where other SAVI plastic bearings fall short and is compatible with both soft and hard shaft materials.

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Availablity		Value	Unit
Min. inside diameter		3	mm
Max. outside diameter		90	mm
Flange diameter		7.5-90	mm
Length standard		3-60	mm
Physical properties	Test standard	Value	Unit
Density	ISO1183	1.25	g/cm³
Thermal conductivity	ISO22007	0.24	W/m*K
Water absorption at 23 °C	ISO62	6.5	%
Flammability	UL94	HB	[-]
Mechanical properties	Test standard	Value	Unit
Hardness	ISO868	75	Shore D
Dynamic load		25	MPa
Bending modulus	ISO178	75	MPa
Flexural modulus	ISO178	3200	MPa
Thermal properties	Test standard	Value	Unit
Min. working temperature		-40	°C
Max. working temperature		90	°C
Inter. working temperature		180	°C
Friction properties	Test standard	Value	Unit
Dynamic friction / steel		0.09-0.20	[-]
Max. PV dry		0.5	MPa*m/s
Electrical properties	Test standard	Value	Unit
Volume resistivity	IEC60093	＞10^13	Ωcm
Surface resistivity	IEC60094	＞10^12	Ω

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