ASEC



SLIDING BEARINGS ASBYP

SKU: ASBYP

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Categories: Plastic bearings

Features

- Maintenance free, self-lubricated.
- Side groove designed for easy assembly.
- Groove design reserves the material expansion allowance.
- Suitable for rotation and sliding motions.
- Lower tolerance requirement for the mounting holes.

Material
Plastic

A thin-wall plastic bearing is designed with a thinner wall compared to the standard plastic bearing, ideal for applications with limited assembly spaces. Slipped gap ensures easy assembly of the bearing.

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Availablity		Value	Unit
Min. inside diameter		4	mm
Max. outside diameter		27.4	mm
Flange diameter		7-37.5	mm
Length standard		4-25	mm
Tolerance		+0.025/+0.075	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density		1.24	g/cm³
Thermal conductivity	ASTM C 177	0.24	W/m*K
Mechanical properties	**Test standard**	**Value**	**Unit**
Comp. Strength		10	MPa
Module of elasticity	DIN 53457	830	MPa
Tensile strength	DIN 53452	18	MPa
Hardness	DIN 53505	73	Shore D
Thermal properties	**Test standard**	**Value**	**Unit**
Thermal expansion, 23°C	DIN 53752	12	K
Min. working temperature		-200	°C
Max. working temperature		260	°C
Inter. working temperature		310	°C
Friction properties	**Test standard**	**Value**	**Unit**
Dynamic friction / steel		0.05-0.15	[-]
Max. PV dry		0.4	MPa*m/s
Electrical properties	**Test standard**	**Value**	**Unit**
Volume resistivity	DIN IEC 93	＞10^15	Ωcm
Surface resistivity	DIN 53482	＞10^15	Ω

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