ASEC



SLIDING BEARINGS ASGPE(F)

SKU: ASGPE(F)

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Categories: Plastic bearings

Features

- Continuous use temperature: -40 ℃ ~ + 130 ℃.
- For high loads, common good.
- Suitable for dry running, maintenance-free.
- For different shaft materials.
- For rotating, oscillating motion.
- Anti-dust ability.

Material

Plastic

Applications facing high loads benefit greatly from this product's innovative blend of fiber reinforcement and lubricating materials. With its exceptional durability and heat resistance, it finds wide-ranging utility in environments up to 130 degrees Celsius.

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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		3-50	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density		1.46	g/cm³
Thermal conductivity	ASTM C 177	0.25	W/m*K
Water absorption at 23 °C	DIN 53495	0.7	%
Mechanical properties	**Test standard**	**Value**	**Unit**
Comp. Strength		80	MPa
Module of elasticity	DIN 53457	7,8	MPa
Tensile strength	DIN 53452	200	MPa
Hardness	DIN 53505	81	Shore D
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-40	°C
Max. working temperature		130	°C
Inter. working temperature		220	°C
Friction properties	**Test standard**	**Value**	**Unit**
Dynamic friction / steel		0.05-0.18	[-]
Max. PV dry		0.5	MPa*m/s
Electrical properties	**Test standard**	**Value**	**Unit**
Volume resistivity	DIN IEC 93	＞10^13	Ωcm
Surface resistivity	DIN 53482	＞10^11	Ω

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