ASEC



SLIDING BEARINGS ASSPE(F)

SKU: ASSPE(F)

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Categories: Plastic bearings

Features

- Continuous use temperature: -200 ℃ ~ + 260 ℃.
- Suitable for dry running, maintenance-free.
- A low coefficient of friction requirements.
- For light-load high-speed motion.
- High chemical resistance.
- Suitable for liquid run

Material
Plastic

Offering a high-speed, cost-effective solution, this material is engineered to withstand temperatures of up to 260 degrees Celsius, resisting corrosion from nearly all chemical liquids. However, it's not recommended for high-load applications. In environments where temperatures exceed 135 degrees Celsius, it's advisable to incorporate additional limit devices for optimal performance.

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Availablity		Value	Unit
Min. inside diameter		5	mm
Max. outside diameter		60	mm
Flange diameter		11-70	mm
Length standard		8-50	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density		1.24	g/cm³
Thermal conductivity	ASTM C 177	0.24	W/m*K
Water absorption at 23 °C		<0.1	%
Mechanical properties	**Test standard**	**Value**	**Unit**
Comp. strength static		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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