ASEC



SLIDING BEARINGS ASAPE(F)

SKU: ASAPE(F)

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Categories: Plastic bearings

Features

- Continuous use temperature: -40°C/+80°C.
- Low requirements for shaft surface roughness.
- Low coefficient of friction.
- Suitable for flexible shafts.

Material
Plastic

This material offers superior wear resistance, particularly at 80 degrees Celsius, and is suitable for applications where shaft hardness is not a prerequisite. Its white color is advantageous for cleaning and packaging machines, where cleanliness is a priority.

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Availablity		Value	Unit
Min. inside diameter		3	mm
Max. outside diameter		90	mm
Length standard		3-60	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density	ISO1183	1,45	g/cm³
Thermal conductivity	ISO22007	0,2	W/m-K
Max water absorption	ISO62	1,2	%
Flammability	UL94	HB	[-]
Mechanical properties	**Test standard**	**Value**	**Unit**
Hardness	ISO868	74	Shore D
Dynamic load capacity		14	MPa
Bending modulus	ISO178	60	MPa
Flexural modulus	ISO178	2300	MPa
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-40	°C
Max. working temperature		80	°C
Inter. working temperature		80	°C
Friction properties	**Test standard**	**Value**	**Unit**
Dynamic friction / steel		0,05-0,18	[-]
Max. PV dry		0,3	MPa*m/s
Electrical properties	**Test standard**	**Value**	**Unit**
Volume resistivity	IEC60093	＞10^13	Ωcm
Surface resistivity	IEC60093	＞10^12	Ω

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