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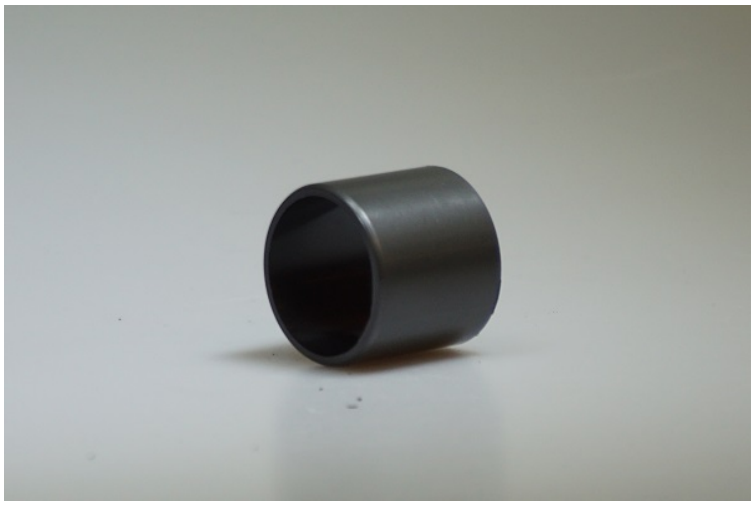

SLIDING BEARINGS ASMPE(F)

SKU: ASMPE(F)

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Categories: Plastic bearings

Features

- Continuous use temperature -40°C/+80°C.
- Withstands high loads and is resistant to stamping.
- Economical.
- Dry running, maintenance-free.
- Withstands edge loads.
- Suitable for low-speed movements.

Material
Plastic

This self-lubricating material stands out for its outstanding impact resistance, making it an ideal choice for applications demanding both vibration absorption and wear resistance.

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Availablity		Value	Unit
Min. inside diameter		3	mm
Max. outside diameter		38	mm
Flange diameter		9-44	mm
Length standard		4-40	mm
Physical properties	**Test standard**	**Value**	**Unit**
Density	ISO1183	1.14	g/cm³
Thermal conductivity	ISO22007	0.24	W/m*K
Max water absorption	ISO62	7.6	%
Flammability	UL94	HB	[-]
Mechanical properties	**Test standard**	**Value**	**Unit**
Comp. Strength		100	MPa
Hardness	ISO868	79	Shore D
Dynamic load		15	MPa
Bending modulus	ISO178	100	MPa
Flexural modulus	ISO178	2700	MPa
Thermal properties	**Test standard**	**Value**	**Unit**
Min. working temperature		-40	°C
Max. working temperature		80	°C
Inter. working temperature		170	°C
Friction properties	**Test standard**	**Value**	**Unit**
Dynamic friction / steel		0.09-0.30	[-]
Max. PV dry		0.15	MPa*m/s
Electrical properties	**Test standard**	**Value**	**Unit**
Volume resistivity	IEC60093	＞10^12	Ωcm
Surface resistivity	IEC60093	＞10^11	Ω

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