

EP[®]64

SELF-LUBRICATING ENGINEERED PLASTIC BEARINGS



APPLICATIONS

General – Generally applicable within the limits of the material properties

Industrial – Domestic appliances, transportation equipment, apparatus engineering, conveyor equipment and many more

CHARACTERISTICS

- Good performance in lubricated or marginally lubricated applications
- Excellent flow erosion and cavitation resistance
- Corrosion resistant in humid/saline environments
- Suitable for very high temperature applications
- Very good weight performance ratio
- Within injection moulding tool feasibility unlimited dimensions and design features
- Compliant to ELV, WEEE and RoHS specifications

AVAILABILITY

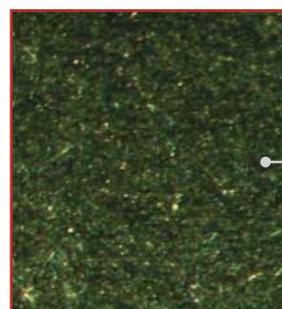
Bearing forms made to order: Cylindrical bushings, flanged bearings, thrust washers, sliding plates, half-bearings, customized bearing designs



BEARING PROPERTIES		UNITS	VALUE
GENERAL			
Maximum load, p	Static	N/mm ²	125
	Min	°C	- 100
Operating temperature	Max	°C	290
	Coefficient of linear thermal expansion		10 ⁻⁶ /K
DRY			
Maximum sliding speed, U		m/s	1.0
Maximum pU factor	For A _H / A _C = 5	N/mm ² x m/s	0.09
	For A _H / A _C = 10	N/mm ² x m/s	0.35
	For A _H / A _C = 20	N/mm ² x m/s	1.40
Coefficient of friction, f			0.3 - 0.5
RECOMMENDATIONS			
Shaft surface roughness, Ra		µm	0.1 - 0.5
Shaft surface hardness		HV	> 450

OPERATING PERFORMANCE	
Dry	Good
Oil lubricated	Very Good
Grease lubricated	Very Good
Water lubricated	Good
Process fluid lubricated	Good after resistance testing

MICROSECTION



PEEK + Solid Lubricant + Fillers