GGB
BEARING TECHNOLOGY
an EnPro Industries company

The Global Leader
in High Performance Bearing Solutions

Multilube

Thermoplastic Plain Bearings

compliant RoHS

CHARACTERISTICS

- Good bearing performance in dry working conditions
- Good bearing performance in lubricated or marginally lubricated applications
- Corrosion resistant in humid/saline environments
- Good price performance ratio
- Very good weight performance ratio
- Within injection moulding tool feasibility unlimited dimensions and design features

AVAILABILITY

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

APPLICATIONS

Industrial: Linkages, seat suspensions



For additional market / product offerings, go to https://www.ggbearings.com

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Multilube Technical Data

Bearing Properties		Imperial Units	Imperial Value	Metric Units	Metric Value
General					
Maximum load, p	Static	psi	9 000	N/mm²	60
	Dynamic	psi	4 500	N/mm²	30
Operating temperature	Min	°F	- 40	°C	- 40
	Max	°F	180	°C	80
	Momentary	°F	250	°C	120
Coefficient of linear thermal expansion		10^{-6}/F	56	10^{-6}/K	101
Dry					
Maximum sliding speed, U		fpm	300	m/s	1.5
Maximum pU factor		psi x fpm	17 000	N/mm² x m/s	0.6
Coefficient of friction			0.1 - 0.2		0.1 - 0.2
Recommendations					
Shaft surface roughness, Ra		µin	8 - 32	µm	0.2 - 0.8
Shaft surface hardness	Normal	HB	> 200	HB	> 200
	For longer service life	HB	> 350	HB	> 350

Operating Performance	
Dry	Good
Oil lubricated	Good
Grease lubricated	Good
Water lubricated	Fair
Process fluid lubricated	Fair

For Superior Performance	
Water lubricated	EP22
Process fluid lubricated	EP22

Microsection

POM +
Solid Lubricant +
Fillers

https://www.ggbearings.com/en/products/solid-polymer/multilube