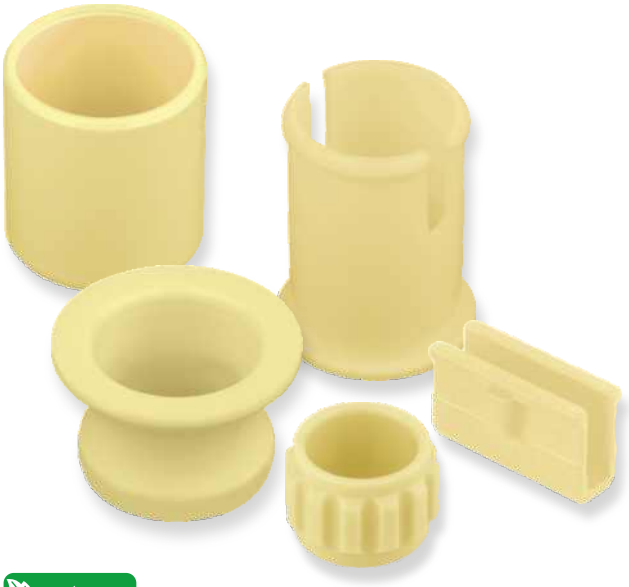
EP®30

SELF-LUBRICATING ENGINEERED PLASTIC BEARINGS



compliant RoHS

APPLICATIONS

General – Generally applicable within the limits of the material properties

Industrial – Domestic appliances, chemical equipment, office equipment, sports equipment and many more

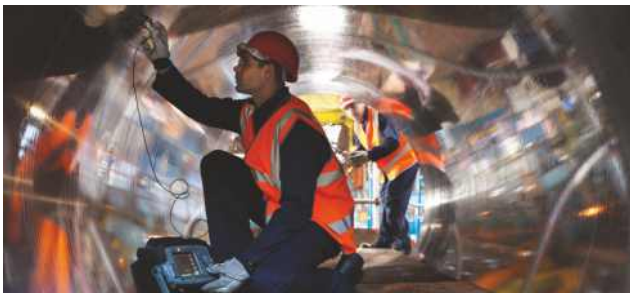
Automotive – Waterpumps, pedals, seats, sliders

CHARACTERISTICS

- Good bushing performance in dry working conditions
- Very good bushing performance in lubricated or marginally lubricated applications
- Corrosion resistant in humid/saline environments
- Very good price performance ratio
- Very good weight performance ratio
- Very good in elasto hydrodynamic applications
- Within injection moulding tool feasibility unlimited dimensions and design features
- Compliant to ELV, WEEE and RoHS specifications

AVAILABILITY

Bearing forms made to order: Standard forms in special dimensions, thrust washers, half-bearings, sliding plates, customized bearing designs



For questions and assistance, contact a GGB engineer at: **https://www.ggbearings.com/en/contact**

BEARING PROPERTIES		IMPERIAL UNITS	IMPERIAL VALUE	METRIC UNITS	METRIC VALUE
GENERAL					
Maximum load, p	Static	psi	9 500	N/mm^2	65
Operating temperature	Min	°F	- 60	°C	- 50
	Max	°F	392	°C	200
Coefficient of linear thermal expansion		10^{-6}/F	22	10^{-6}/K	40
DRY					
Maximum sliding speed, U		fpm	200	m/s	1.0
Maximum pU factor	For A_H / A_C = 5	psi x fpm	1 400	N/mm^2 x m/s	0.05
	For A_H / A_C = 10	psi x fpm	2 800	N/mm^2 x m/s	0.10
	For A_H / A_C = 20	psi x fpm	5 700	N/mm^2 x m/s	0.20
Coefficient of friction, f			0.08 - 0.16		0.08 - 0.16
RECOMMENDATIONS					
Shaft surface roughness, Ra		µin	4 - 20	µm	0.1 - 0.5
Shaft surface hardness		HV	> 200	HV	> 200

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

MICROSECTION