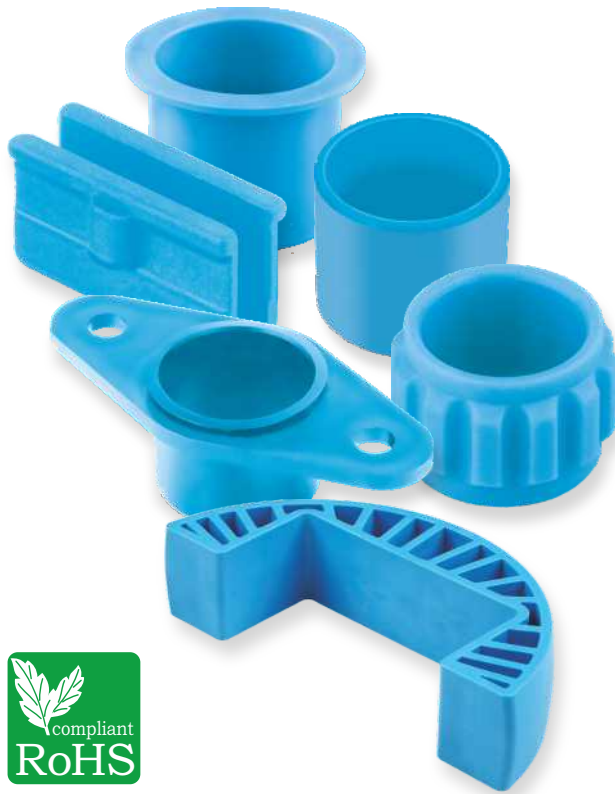# GGB

EP®15

ENGINEERED FOR SUN

RoHS compliant

APPLICATIONS

Solar Power Equipment, Outdoor Applications, Recreational Applications

CHARACTERISTICS

— UV-resistant

— Abrasion-resistant

— Lightweight

— Low coefficient of friction

— Very good bushing performance in dry working conditions

— 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

— Within injection molding tool feasibility unlimited dimensions and design features

— Compliant to EVL, WEEE and RoHS specifications

AVAILABILITY

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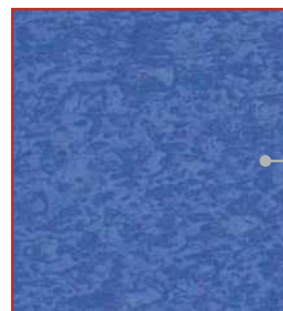

For questions and assistance, contact a GGB engineer at: **https://www.ggbearings.com/en/contact**

POLYMER: POM (POLYOXYMETHYLENE)

ADDITIVES: PTFE (POLYTETRAFLUOROETHYLENE), UV STABILIZER

CHARACTERISTICS	STANDARD	UNITS	VALUE
Charpy unnotched impact strength	ISO 179/1eU	kJ/m^2	45
Charpy notched impact strength	ISO 179/1eA	kJ/m^2	4.5
Coefficient of linear thermal expansion	ISO 11359-2:1999-10	$x10^{-6}$	120
Minimum temperature		°C / °F	- 40 / - 40
Maximum temperature		°C / °F	125 / 260
Maximum extended temperature limit		°C / °F	125 / 260
Density	DIN EN ISO 1183-1 :2013-04 DIN EN ISO 1183-2 :2004-10	g/cm^3	1.50
Tensile strength	DIN EN ISO 527-1 :2012-06 DIN EN ISO 527-2 :2012-06 DIN EN ISO 527-3 :2003-07	N/mm^2 / psi	50 / 7252
Elastic modulus in tension	DIN EN ISO 178:2013-09 DIN EN ISO 527-1:2012-06 DIN EN ISO 604:2003-12	N/mm^2 / psi	2750 / 398854
Maximum static load		N/mm^2 / psi	65 / 9500
Coefficient of friction, f			0.09 - 0.15
Color			Blue

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

MICROSECTION

POM + PTFE + UV Stabilizer

EP®15 ENGINEERED FOR SUN

For additional product offerings visit:
https://www.ggbearings.com/en/products/solid-polymer/ep15