

# GGB-BP25

**METAFRAM OIL IMPREGNATED  
SINTERED BRONZE BEARINGS**



## APPLICATIONS

**Industrial** – FHP motor bearings, domestic appliances and hand tools

## CHARACTERISTICS

- Similar to SINT A 50, impregnation group 1
- Maintenance-free bearing for general engineering applications
- Optimum performance under relatively light loads and high speeds
- Produced by powder metallurgy process and therefore suitable for complex shapes

## AVAILABILITY

**Bearing forms available in standard dimensions:** Plain cylindrical bushes, plain flanged bushes

**Bearing forms made to order:** Cylindrical bushes and flanged bushes with non-standard dimensions, spherical bearings, tubes and rod blanks, customized bearing designs

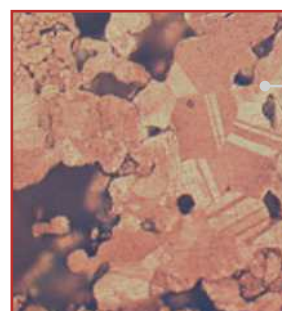


BEARING PROPERTIES		UNITS	VALUE
<b>GENERAL</b>			
Maximum load, p	Static	N/mm <sup>2</sup>	20
	Dynamic	N/mm <sup>2</sup>	10
Operating temperature	Min	°C	-180 / 0 *
	Max	°C	90 / 300 *
Minimum density		g/cm <sup>3</sup>	6.2
Minimum apparent porosity		%	23
<b>OIL IMPREGNATED</b>			
Maximum sliding speed, U		m/s	0.1 - 6.0 *
Maximum pU factor		N/mm <sup>2</sup> x m/s	0.1 - 1.8 *
Coefficient of friction, f			0.05 - 0.25 *
<b>RECOMMENDATIONS</b>			
Shaft surface roughness, Ra		µm	≤ 0.3 - ≤ 0.6 *
Shaft surface hardness		HB	> 240 - > 355 *

\* Bearing properties depending on oil or solid lubricants. This information is available by downloading the GGB-BP25 datasheet or brochure.

OPERATING PERFORMANCE	
Dry	Good (PTFE/MoS <sub>2</sub> )
Oil lubricated	Good
Grease lubricated	Fair
Water lubricated	Not recommended
Process fluid lubricated	Not recommended

### MICROSECTION



Sn 8 - 10,5 %  
 Other < 2 %  
 Cu Rest  
 Impregnation group 1  
 (up to 80°C)