

## MLG

### SELF-LUBRICATING FIBER REINFORCED COMPOSITE BEARING



### APPLICATIONS

**Industrial** – Construction and earth moving equipment, conveyors, cranes, hoists, hydraulic cylinder pivots, etc.

### CHARACTERISTICS

- Value engineered filament wound bearing for lighter duty applications
- High load capacity
- Good misalignment resistance
- Excellent shock resistance
- Good friction and wear properties
- Good chemical resistance

### AVAILABILITY

**Bearing forms available in standard dimensions:**

Plain cylindrical bushes

**Bearing forms made to order:** cylindrical bushes with non-standard lengths and wall thickness, flanged bearings, hexagonal and square bores, liner on outer diameter, customized bearing designs



BEARING PROPERTIES		UNITS	VALUE
<b>GENERAL</b>			
Maximum load, p	Static	N/mm <sup>2</sup>	210
	Dynamic	N/mm <sup>2</sup>	140
Operating temperature	Min	°C	- 195
	Max	°C	160
<b>DRY</b>			
Maximum sliding speed, U		m/s	0.13
Maximum pU factor		N/mm <sup>2</sup> x m/s	1.05
Coefficient of friction, f			0.05 - 0.30*
<b>RECOMMENDATIONS</b>			
Shaft surface roughness, Ra		µm	0.15 - 0.40
Shaft surface hardness		HB	> 350

\* Depending on operating conditions

#### OPERATING PERFORMANCE

Dry	Very Good
Oil lubricated	Good
Grease lubricated	Poor
Water lubricated	Fair
Process fluid lubricated	Fair

#### FOR SUPERIOR PERFORMANCE

Grease lubricated	DX / DX10
Water lubricated	HPF / HPM
Process fluid lubricated	GAR- FIL

#### MICROSECTION

