

GAR-FIL

**FIBER REINFORCED COMPOSITE
BEARING WITH PTFE TAPE LINER**



APPLICATIONS

Industrial – Valves, scissor lifts, pulleys, toggle linkages, etc.

CHARACTERISTICS

- Proprietary filled PTFE tape liner
- High load capacity
- Good chemical resistance
- Machinable bearing surface
- High rotational speed capacity
- Very good friction and wear properties
- Excellent contamination 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



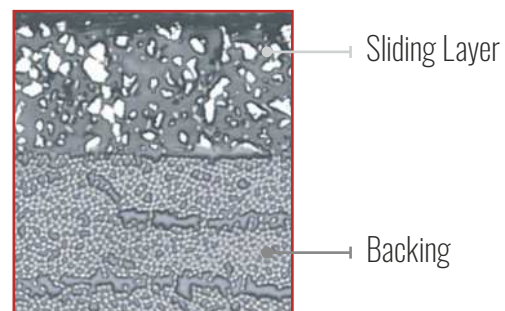
BEARING PROPERTIES		UNITS	VALUE
GENERAL			
Maximum load, p	Static	N/mm ²	140
	Dynamic	N/mm ²	140
Operating temperature	Min	°C	- 195
	Max	°C	205
DRY			
Maximum sliding speed, U		m/s	2.5
Maximum pU factor		N/mm ² x m/s	1.23
Coefficient of friction, f			0.02 - 0.12*
RECOMMENDATIONS			
Shaft surface roughness, Ra		µm	≤ 0.4
Shaft surface hardness		HB	> 200

* Depending on operating conditions

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

FOR SUPERIOR PERFORMANCE	
Grease lubricated	DX / DX10
Water lubricated	HPF / HPM

MICROSECTION



For additional product offerings visit:
<https://www.ggbearings.com/en/our-products/fiber-reinforced-composite-bearings/gar-fil>