

## Multiglide Polylube PG

The Multiglide PG bearing is a high load, low RPM bearing designed for rigorous industrial equipment applications. The bearing is manufactured by a filament winding process that results in a continuous fiberglass filament backing composition-ensuring excellent mechanical properties (especially fatigue resistance). The filament wound fiberglass structure uses a high strength, corrosion resistant epoxy resin as the matrix material. The high strength backing permits the use of a thin wall (1,6 mm to 3,5 mm) bearing which can often reduce the size and weight of the finished bearing assembly.

Properties	Units		
Coefficient of Friction (DRY)	-	0,075 – 0,21	
Water Absorption	After 2 hours	%	0,12
	After 24 hours	%	0,16
Ultimate Compressive Strength	MPa	414	
Normal Working Pressure	MPa	207	
Coefficient of Thermal Expansion	m/m/°C	$8,69 \times 10^{-6}$	
Temperature Range	°C	-198 to 163°C	
Maximum Velocity	m/s	0,05	
Density	g/cm <sup>3</sup>	1,87	

**Availability:**

Minimal inside diameter: Ø10 mm  
Maximum inside diameter: Depending on the availability of the mandrel  
Lengths: Standard lengths (other sizes on request)

**Important:**

Housing size: H7 / H8  
Shaft size: h7 / h8