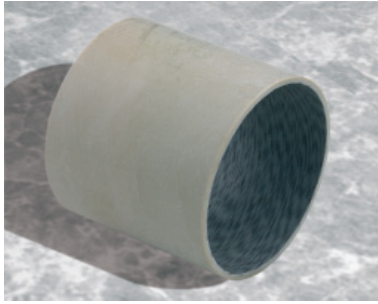

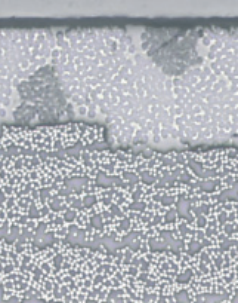


MLG™ Bearing Material	Characteristics	Applications
 	<ul style="list-style-type: none"> • Value engineered filament wound bearing for lighter duty applications • High load capacity • Good misalignment resistance • Excellent shock resistance • Good friction and wear properties • Good chemical resistance 	<p>Industrial Construction and earth moving equipment, conveyers, cranes, hoists, hydraulic cylinder pivots, etc.</p>

Composition & Structure	Operating Conditions		Availability
<p>Composite Material</p> <p>Sliding Layer Continuous wound PTFE and high-strength fibres encapsulated in high temperature epoxy resin</p> <p>Backing Continuous wound glass fibre encapsulated in high temperature epoxy resin</p>	<p>dry</p> <p>oiled</p> <p>greased</p> <p>water</p> <p>process fluid</p>	<p>very good</p> <p>good</p> <p>poor</p> <p>fair</p> <p>fair</p>	<p>Ex Stock</p> <ul style="list-style-type: none"> • N/A <p>To order</p> <ul style="list-style-type: none"> • Cylindrical bearings: ID Range: 12 to 150 mm, metric series; .5 to 6 inch, inch series., special order bearing diameters to 500 mm (20 inches), flanged bearings, non-standard parts

Microsection	Bearing Properties	Unit	Value
 <p>Sliding layer</p> <p>Backing</p>	<p>Dry</p> <p>Maximum sliding speed v</p> <p>Maximum pv factor</p> <p>Coefficient of friction f</p> <p>Oil lubrication</p> <p>Maximum sliding speed v</p> <p>Maximum pv factor</p> <p>Coefficient of friction f</p> <p>General</p> <p>Maximum temperature T_{max}</p> <p>Minimum temperature T_{min}</p> <p>Maximum load p static</p> <p>Maximum load p dynamic</p> <p>Shaft surface finish R_a *</p> <p>Shaft hardness - normal</p>	<p>m/s</p> <p>MPa x m/s</p> <p>–</p> <p>m/s</p> <p>MPa x m/s</p> <p>–</p> <p>°C</p> <p>°C</p> <p>MPa</p> <p>MPa</p> <p>µm</p> <p>HB</p>	<p>0.13</p> <p>1.05</p> <p>0.05-0.12</p> <p>-</p> <p>-</p> <p>-</p> <p>+160</p> <p>-195</p> <p>210</p> <p>140</p> <p>0.4</p> <p>>350</p>

* Alternative shaft hardnesses and shaft surface finish is possible, depending on the application. Please contact your local GGB representative.