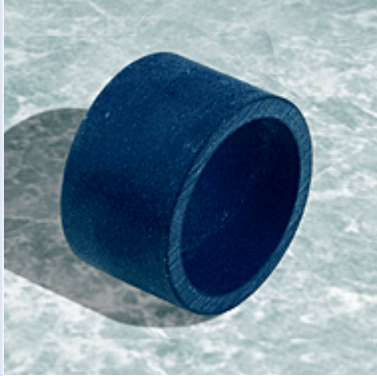

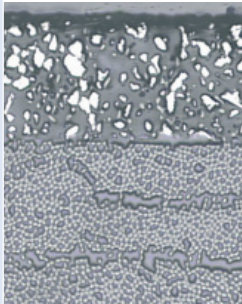


GAR-FIL® Bearing Material	Characteristics	Applications
 	<ul style="list-style-type: none"> <li>• High load capacity</li> <li>• Good chemical resistance</li> <li>• Machinable bearing surface</li> <li>• High rotational speed capability</li> <li>• Very good friction and wear properties</li> <li>• Excellent contamination resistance</li> </ul>	<p><b>Industrial</b> Valves, scissor lifts, pulleys, toggle linkages, etc.</p>

Composition & Structure	Operating Conditions		Availability
<p>Composite Material Sliding Layer Proprietary filled PTFE tape liner, 0,38 mm (0,015 inch) standard thickness, 0,76 mm (0,03 inch) on request</p> <p>Backing Continuous wound fiberglass encapsulated in a 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>very good</p> <p>fair</p> <p>fair</p> <p>very good</p>	<p><b>Ex Stock</b></p> <ul style="list-style-type: none"> <li>• Cylindrical bushes</li> </ul> <p><b>To order</b></p> <ul style="list-style-type: none"> <li>• N/A</li> </ul>

Microsection	Bearing Properties	Unit	Value
 <p>Sliding layer</p> <p>Backing</p>	<p><b>Dry</b></p> <p>Maximum sliding speed v</p> <p>Maximum pv factor</p> <p>Coefficient of friction f</p> <p><b>Oil lubrication</b></p> <p>Maximum sliding speed v</p> <p>Maximum pv factor</p> <p>Coefficient of friction f</p> <p><b>General</b></p> <p>Maximum temperature T<sub>max</sub></p> <p>Minimum temperature T<sub>min</sub></p> <p>Maximum load p static</p> <p>Maximum load p dynamic</p> <p>Shaft surface finish R<sub>a</sub> *</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>2.5</p> <p>1.23</p> <p>0.02-0.12</p> <p>-</p> <p>-</p> <p>-</p> <p>+205</p> <p>-195</p> <p>140</p> <p>140</p> <p>0.4</p> <p>&gt;200</p>

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