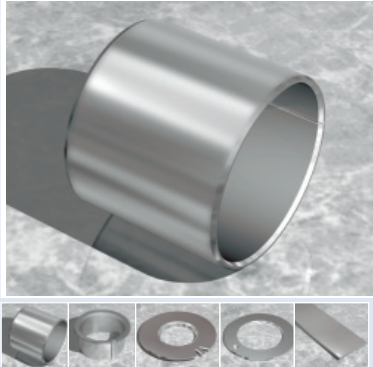



DU <sup>®</sup> Bearing Material	Characteristics	Applications
	<ul style="list-style-type: none"> <li>• Dry bearing material with good wear and friction performance over a wide range of loads, speeds and temperature conditions</li> <li>• DU<sup>®</sup> also performs well with lubrication</li> <li>• Available from stock in a wide range of standard sizes</li> </ul>	<p><b>Industrial</b>                      Aerospace, agricultural equipment, construction equipment, material handling equipment, forming machines - metal, plastic and rubber; office equipment, medical and scientific equipment, packaging equipment, pneumatic and hydraulic cylinders, pumps and motors, railroad and tramways, textile machinery, valves, etc.</p>

Composition & Structure	Operating Conditions		Availability
Metal-polymer composite material Steel + porous bronze sinter + PTFE + Pb	dry oiled greased water process fluid	very good good fair fair fair	<p><b>Ex Stock</b></p> <ul style="list-style-type: none"> <li>• Standard cylindrical bushes, roll-formed bushes, flanged bushes, thrust washers, flanged washers, strip</li> </ul> <p><b>To order</b></p> <ul style="list-style-type: none"> <li>• Non-standard parts</li> </ul>

Microsection	Bearing Properties	Unit	Value
 <p>Sliding layer PTFE + Pb</p> <p>Porous bronze sinter</p> <p>Steel backing</p>	<p><b>Dry</b></p> <p>Maximum sliding speed v</p> <p>Maximum pv factor - continuous operation - intermittent operation</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> - dry operation</p> <p>Shaft hardness</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>1.8 3.5</p> <p>0.02-0.25</p> <p>-</p> <p>-</p> <p>0.02-0.12</p> <p>+280</p> <p>-200</p> <p>250</p> <p>140</p> <p>0.4±0.1</p> <p>hardened and unhardened possible</p>