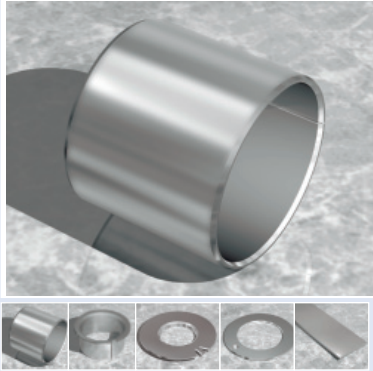



DU [®] Bearing Material	Characteristics	Applications
	<ul style="list-style-type: none"> • Dry bearing material with good wear and friction performance over a wide range of loads, speeds and temperature conditions • DU[®] also performs well with lubrication • Available from stock in a wide range of standard sizes 	<p>Industrial 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
<p>Metal-polymer composite material Steel + porous bronze sinter + PTFE + Pb</p>	<p>dry oiled greased water process fluid</p>	<p>very good good fair fair fair</p>	<p>Ex Stock</p> <ul style="list-style-type: none"> • Standard cylindrical bushes, roll-formed bushes, flanged bushes, thrust washers, flanged washers, strip <p>To order</p> <ul style="list-style-type: none"> • Non-standard parts

Microsection	Bearing Properties	Unit	Value
 <p>Sliding layer PTFE + Pb</p> <p>Porous bronze sinter</p> <p>Steel backing</p>	<p>Dry</p> <p>Maximum sliding speed v</p> <p>Maximum pv factor - continuous operation - intermittent operation</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 - 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>