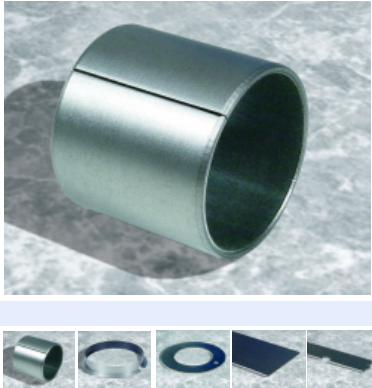
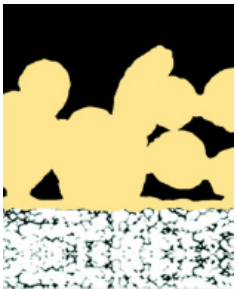


DP11™ Bearing Material	Characteristics	Applications
	<ul style="list-style-type: none"> Compliant with the European Union's End of Life Vehicles (ELV) directive 2000/53/EC on the elimination of hazardous materials in the construction of passenger cars and light trucks Compliant with the European Union directive 2002/95/EC concerning the Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment (the RoHS Regulations) Good dry wear and low friction performance over a wide range of loads, speeds and temperature conditions Very good dry wear resistance and low friction performance under high frequency and low amplitude oscillating movements 	<p>Automotive Belt tensioners, clutches, dual mass fly-wheels, pulley dampers, etc.</p> <p>Industrial Applications with high frequency and low amplitude oscillating movements</p>

Composition & Structure	Operating Conditions		Availability
<p>Metal-polymer composite material Steel + porous bronze sinter + PTFE + solid lubricant + fillers</p>	<p>dry</p> <p>oiled</p> <p>greased</p> <p>water</p> <p>process fluid</p>	<p>good</p> <p>good</p> <p>fair</p> <p>not recommended</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 bushes, flanged bushes, thrust washers, flanged washers, strip, non-standard parts

Microsection	Bearing Properties	Unit	Value
 <p>Sliding layer PTFE + solid lubricants</p> <p>Porous bronze sinter</p> <p>Steel 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 - dry operation</p> <p>Shaft hardness</p>	<p>ft/min</p> <p>psi x ft/min</p> <p>–</p> <p>ft/min</p> <p>psi x ft/min</p> <p>–</p> <p>°F</p> <p>°F</p> <p>psi</p> <p>psi</p> <p>µin</p> <p>HB</p>	<p>500</p> <p>28,600</p> <p>0.04-0.25</p> <p>1,000</p> <p>286,000</p> <p>0.02-0.08</p> <p>+540</p> <p>-330</p> <p>36,000</p> <p>20,000</p> <p>16±4</p> <p>>200</p>