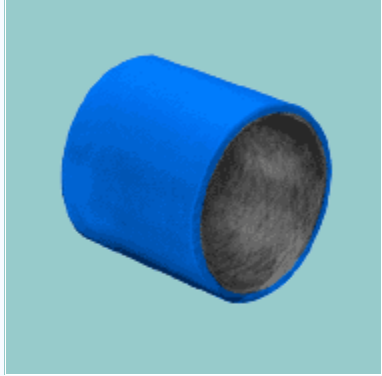

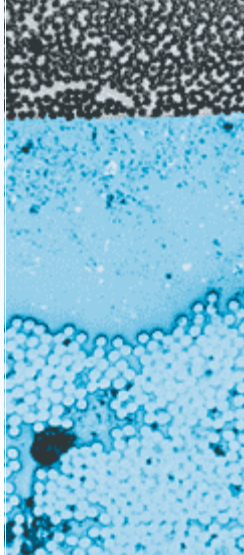


Characteristics	Applications	deva.tex®
<ul style="list-style-type: none"> Filament-wound fibre-lined dry bearing material High load capacity Good friction and wear properties under slow speed oscillating movements Resistant to shock loads Good chemical resistance Outside and inside diameters can be machined 	<p>Industrial</p> <ul style="list-style-type: none"> Water turbines, toggle linkages, earth-moving equipment, etc. 	 

Composition & Structure	Operating Conditions		Availability
PTFE + polyester + glass fibre filament wound and impregnated with epoxy resin + additives	dry	good	<p>Ex Stock</p> <ul style="list-style-type: none"> N/A <p>To order</p> <ul style="list-style-type: none"> Cylindrical bushes and non-standard parts
	oiled	fair	
	greased	fair	
	water	fair	
	process fluid	poor	

Bearing Properties	Unit	Value	Microsection
Dry			 <p>PTFE + additives + polyester (filament wound)</p> <p>glass fibre (filament wound) impregnated with epoxy resin</p>
Maximum sliding speed U	m/s	0.3	
Maximum PU factor	N/mm ² * m/s = W/mm ²	1.8	
Coefficient of friction f	–	0.02-0.12	
General			
Maximum temperature T _{max}	°C	+160	
Minimum temperature T _{min}	°C	-100	
Maximum load P static	N/mm ²	220	
Maximum load P dynamic	N/mm ²	140	
Shaft surface finish Ra	µm	0,2-0,8	
Shaft hardness	HB	>180	