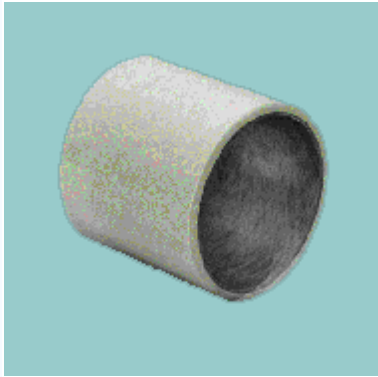

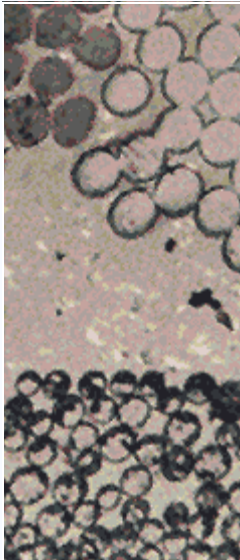


Characteristics	Applications	GAR-MAX®
<ul style="list-style-type: none"> Filament-wound dry bearing material High load capacity Good friction and wear properties under slow speed oscillating or rotating movements Resistant to shock loads Good chemical resistance 	Industrial <ul style="list-style-type: none"> Construction and earth-moving equipment conveyors agricultural equipment railway couplers chemical plant valves, etc. 	 

Composition & Structure	Operating Conditions		Availability
PTFE + polyamide + glass fibre filament wound and impregnated with epoxy resin	dry	good	Ex Stock
	oiled	fair	
	greased	fair	To order
	water	fair	
	process fluid	poor	
			<ul style="list-style-type: none"> Cylindrical bushes Non-standard lengths and wall thicknesses

Bearing Properties	Unit	Value	Microsection
Dry			 <p>Filament wound PTFE + polyamide fibres</p> <p>Glass fibre filament wound and impregnated with epoxy resin</p>
Maximum sliding speed U	m/s	0.2	
Maximum PU factor	N/mm ² * m/s = W/mm ²	1.8	
Coefficient of friction f	–	0.05-0.30	
Oil lubrication			
Maximum sliding speed U	m/s	-	
Maximum PU factor	N/mm ² * m/s = W/mm ²	-	
Coefficient of friction f	–	-	
General			
Maximum temperature T _{max}	°C	+160	
Minimum temperature T _{min}	°C	-100	
Maximum load P static	N/mm ²	200	
Maximum load P dynamic	N/mm ²	120	
Shaft surface finish Ra	µm	0.2-0.8	
Shaft hardness	HB	>200	
Shaft hardness for longer service life	HB	>350	