GAR-MAX®

Characteristics

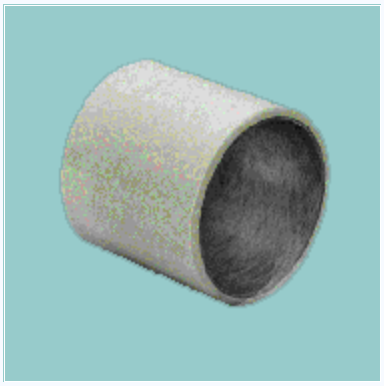
- Filament-wound dry bearing material
- High load capacity
- Good friction and wear properties under slow speed oscillating or rotating movements
- Resistant to shock loads
- Good chemical resistance

Applications

Industrial

- Construction and earth-moving equipment
- conveyors
- agricultural equipment
- railway couplers
- chemical plant valves, etc.

GAR-MAX®



Composition & Structure

PTFE + polyamide + glass fibre filament wound and impregnated with epoxy resin

Operating Conditions

dry	good
oiled	fair
greased	fair
water	fair
process fluid	poor

Availability

Ex Stock

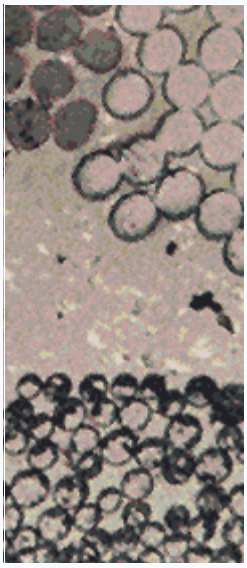
- Cylindrical bushes

To order

- Non-standard lengths and wall thicknesses

Bearing Properties	Unit	Value
Dry		
Maximum sliding speed U	m/s	0.2
Maximum PU factor	N/mm² * m/s = W/mm²	1.8
Coefficient of friction f	–	0.05-0.30
Oil lubrication		
Maximum sliding speed U	m/s	-
Maximum PU factor	N/mm² * m/s = W/mm²	-
Coefficient of friction f	–	-
General		
Maximum temperature T_{max}	°C	+160
Minimum temperature T_{min}	°C	-100
Maximum load P static	N/mm²	200
Maximum load P dynamic	N/mm²	120
Shaft surface finish Ra	µm	0.2-0.8
Shaft hardness	HB	>200
Shaft hardness for longer service life	HB	>350

Microsection



Filament wound PTFE + polyamide fibres

Glass fibre filament wound and impregnated with epoxy resin