MF™52

Characteristics

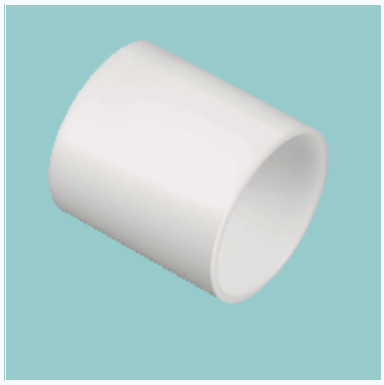
- Thermoplastic (POM) base material incorporating friction and wear modifiers
- Manufactured by precision injection moulding
- Good bearing material under light-duty conditions
- Food and Drug Administration approved version available on request
- Colour: white (standard)
- Suitable for use with foodstuffs

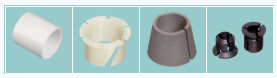
Applications

Industrial

- Bottling and packing machines
- pumps
- meat and food processing machines
- medical equipment, etc.

MF™52





Composition & Structure

POM + PTFE

Operating Conditions

dry	good
oiled	good
greased	good
water	fair
process fluid	fair

Availability

Ex Stock

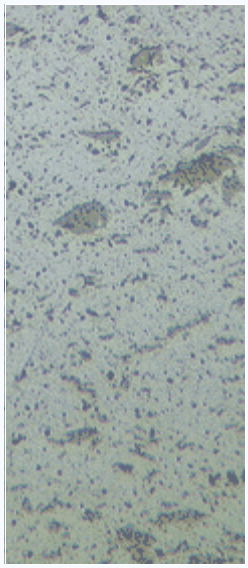
- N/A

To order

- Special dimensions and shapes

Bearing Properties	Unit	Value
Dry		
Maximum sliding speed U	m/s	1.0
Maximum PU factor	N/mm² * m/s = W/mm²	0.6
Coefficient of friction f	–	0.07-0.15
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	+80
Minimum temperature T_{min}	°C	-40
Maximum load P static	N/mm²	60
Maximum load P dynamic	N/mm²	30
Shaft surface finish Ra	µm	0.2-0.8
Shaft hardness	HB	>200
Shaft hardness for longer service life	HB	>350

Microsection



Injection moulded thermoplastic dry bearing material with additives homogeneously mixed in