MF™31

Characteristics

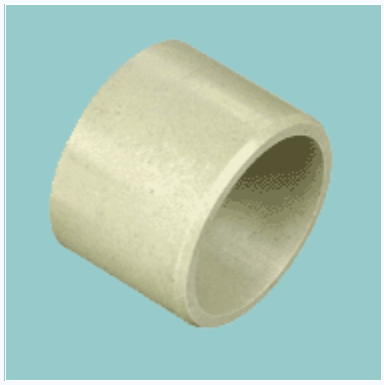
- Thermoplastic (PBT) base material incorporating friction and wear modifiers and strengthened with fibre reinforcement
- Superior bearing performance than MF41 (light-duty conditions)
- Manufactured by precision injection moulding
- Low abrasivity
- Colour: olive

Applications

Industrial

- Medical equipment
- textile machines
- mechanical handling equipment
- valve applications
- agricultural equipment
- scientific equipment
- office equipment, etc.

MF™31



Composition & Structure

PBT + bronze powder + aramide fibres + PTFE

Operating Conditions

dry	good
oiled	good
greased	good
water	fair
process fluid	fair

Availability

Ex Stock

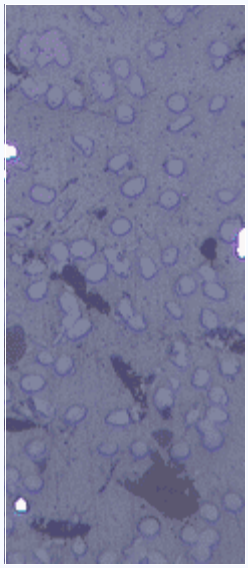
- N/A

To order

- Special dimensions and shapes

Bearing Properties	Unit	Value
Dry		
Maximum sliding speed U	m/s	1
Maximum PU factor	N/mm² * m/s = W/mm²	1
Coefficient of friction f	–	0.10-0.13
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	+120
Minimum temperature T_{min}	°C	-40
Maximum load P static	N/mm²	80
Maximum load P dynamic	N/mm²	40
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