

MDS.09.00

FRITEX®-S-F51

SELF LUBRICATED SLIDING BEARINGS



Sliding Layer

PTFE Cast Film laminated.
Thickness 400µm.
Colour black.

Intermediate Layer

Special adhesive.
Thickness 60µm.

Supporting Shell

C	≤0.03 %	Mo	2.50 - 3.50 %
Mn	≤2.05 %	Ni	4.50 - 6.50 %
Si	≤1.00 %		
Cr	21.0 - 23.0 %		

Characteristics

Working surface acceptable specific static pressure	Max 400 N/mm ²
Working surface acceptable specific dynamic pressure	Max 180 N/mm ²
Working surface acceptable specific dynamic load (Peak Stroke to Open)	Max 350 N/mm ²
Maximum sliding speed	1,50 m/s (300 fpm)
Working temperature	From -100°C to +240° C
Friction factor	From 0.03 to 0.15

Performance

FRITEX®-S-F51 bushing service life depend mainly from the load factor $P \times V$ (N/mm² · m/s).
For the bushes the internal semi-surface, which is given by the result of the internal diameter multiplied by the length $D_i \times L$, must be considered.
We recommended to make previous test for new application / project.

Shaft

For proper bushing performance we suggest having a shaft roughness of 0.40µm Max.

Items

The FRITEX®-S-F51 can be supplied as many technical items, between them we indicate the followings:

- Trust Washers
- Plain Bearings according to ISO 3547 or according to customer's design drawing
- Plain Strips
- Special Parts