

MDS.10.00

FRITEX®-S-C276

SELF LUBRICATED SLIDING BEARINGS



Sliding Layer

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

Intermediate Layer

Special adhesive.
Thickness 60µm.

Supporting Shell

Mn	1.00 % Max	Mo	15.0 - 17.0 %
Si	0.08 % Max	W	3.0 - 4.5 %
Cr	14.5 - 16.5 %	P	0.04 % Max
Co	2.50 % Max	Fe	4.0 - 7.0 %

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-C276 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-C276 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