

MDS.06.00

# FRITEX®-S-316

## 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 % Max	Si	1.00 % Max
Mn	2.00 % Max	Cr	16.5 – 18.5 %
P	0.04 % Max	Ni	10.0–13.0 %
S	0.03 % Max	Mo	2.0 – 2.5 %

### Characteristics

Working surface acceptable specific static pressure	Max 400 N/mm <sup>2</sup>
Working surface acceptable specific dynamic pressure	Max 180 N/mm <sup>2</sup>
Working surface acceptable specific dynamic load (Peak Stroke to Open)	Max 350 N/mm <sup>2</sup>
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-316 bushing service life depend mainly from the load factor  $P \times V$  (N/mm<sup>2</sup> · 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-316 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