



Hindustan Composites Limited

Rev - 0
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Material Data Sheet

Industrial Friction Sheet AF LS-30

Compo AF LS-30 is woven moulded friction material which is Blakish in appearance having glass yarn & containing Non metallic cloth along with friction modifier, lubricants & special type phenolic resin is used. It is available in flat sheet form only & is suitable for lapping operation. It is used for dry & oil free seb-mersible pump application. & can be used as thrust bearing in submersible pump as well as monoset pumps. AF-LS 30 It is having high mechanical strength, along with a very low co-efficient of friction & low wear rate. Rings and segments can be readily cut or machined to size at customer end as per requirements.

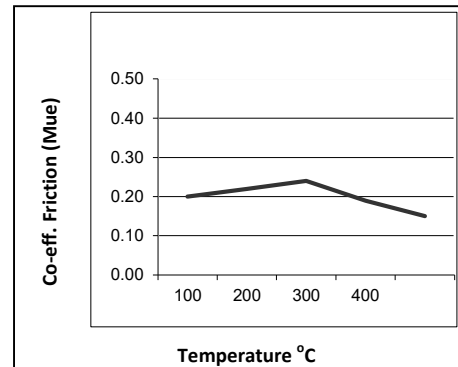


Application

AF LS -30 is versatile material suitable for thrust bearing in submersible pump as well as monoset pumps.

Note :-

for industrial friction materials, therefore it could be misleading to compare different manufacturers test results. The co-eff. of friction / There is no standard test procedure temperature graph illustrated, should be used for comparison of the various Compo make grades only.



Technical Details

Specific Gravity :- 1.45 - 1.70
% Ash Content :- 40 - 60
Ultimate Compression Strength :- 1500 kg/cm² min

Recommended Operating Temperature

Max. Operating Temp. :- 400°C
Max. Contineous Temp. :- 300°C

Recommended Mating Surfaces

Good quality grain or alloy cast iron. All steels, except cast steel , with a brinell hardness of 200 or over will results in good performance in various application.

Machining Details

High speed carbide tools / drills are recommended for machining of AF-LS 30 grade VIZ. for drilling, turning and boring.

Availability

Flat sheets 1000 mm x 1000 mm are available in thicknesses 3 mm to 20 mm from which rings and segments can be readily cut or machined to size at customer end.

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