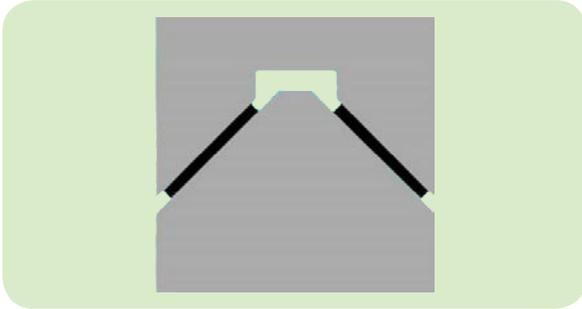




HINDUSTAN NYLONS



TREXONN SLIDWAY LINERS



About Hindustan Nylons

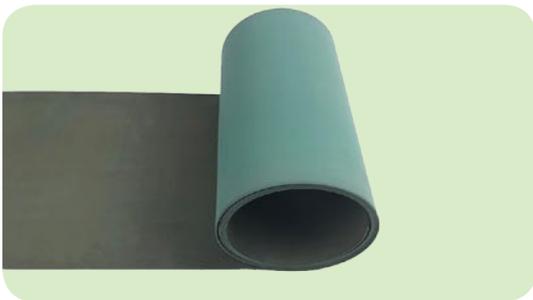
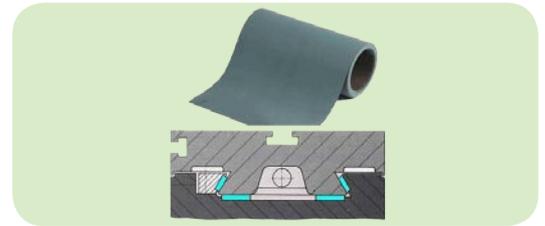
Hindustan Nylons is company with difference. It is new, but the expertise it possesses is not. At the core of company are people, who have knowledge & experience of all aspects of FLUOROMETALS be it engineering & design manufacture, application or serving.

We firmly believe on developing new systems to greatly upgrade the conventional systems imparting TOAL QUALITY & MAXIMUM PRODUCTIVITY.

This is what, we have undertaken for Machine Tools Manufacturers, Rebuilders, by devotion of skill & efforts.

Trexonn Linear Bearing System

The TREXONN GLYDVEL Linear Bearing System is employed on Machine Tools. Transfer Lines for achieving Total Quality & Maximum Productivity. The system basically consists of TRESONN Fluorometallic Linear fixed on moving parts of Machine Tools VIZ. Slideways & this sliding parts of Machine Tools moves over guideways avoiding direct metal to metal contact.



Trexonn General Properties

TREXONN is Fluorometal, which is extensively used in Mechanical, Machine Tool Manufacturing Industries. Hydraulics & Pneumatics Manufacturing Industries due to its unique characteristics.

- Exceptionally low coefficient of friction
- Outstanding Antistick Nature
- Self Lubricating
- Tough, Durable & Resilent
- Excellent Wear resistance
- Pre-eminent Anti-slip Behaviour
- Remarkably good compressive strength
- Equal Static & Dynamic frictional Behavior

Trexonn Working Benefit

The system imparts unique working advantages, due to outstanding properties of TREXONN. Minimum friction between moving & stationary surfaces, reducing Run in time saving power.

- Accurate positioning of moving part of Machine with less power.
- Minimum efforts to slide the moving part start up, run & stopage.
- No overtravel of moving part of machine.
- Requires no lubrication & eliminates elaborate lubrication system.
- Shocks & Vibrations free operations to attain maximum accuracy.
- No sticking up or galling of moving part when idle for time.
- Machine works more accurately for longer durations.
- Minimum service intervals.
- Easy servicing & fast replacement.
- Smooth & Chatter free travel.
- Renews worn equipment.



Trexonn Aggregate Effect

- Maximum & Repetitive Accuracy
- Ultimate total quality
- Less production down time
- Ease of serving
- Improvement in productivity
- Reduced Operators fatigue
- Enhanced useful life of machine
- Fast replacement

Trexonn Applications

- Lines for Machine Tools, Transfer Lines Slideways & Guideways
- Bushings for low Load-High Speed Machine Tools
- Sealing Bushes & Rings for Hydraulic & Pneumatic Actuators

Trexonn Forms

TREXONN-GLYDEVEL Linear Bearing System is available with forms of liners in different thickness 0.5mm, 0.75mm, 1.0mm, 1.25mm, 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm,* Non Standard forms available on request.



Fittment Method

1. Trexonn Glydvel

The TREXONN GLYDEVEL Liner has been chemically treated on one side & is ready for adhering to the correctly prepared metallic surface.

2. Preparation of Metallic Surface

A. The metal surface can be prepared with machining methods like Grinding, Milling, Shaping, Planing, Scraping & Polishing & having ultimate surface roughness between Ra= 1.6 to 6 u

B. Any depressions dents, pores on metal surface should be covered filled with epoxy based adhesives & polished.

C. The Metallic Surface as well as liner surface should be cleared by only following cleaning agents.

Caution : Petrol, Diesel, Kerosene should not be used as cleaning agent.

3. Gluing

A. Adhesive - ARALDITE. AW 106 HV953V or Locktite EA E30 HV

B. The Araldite should be applied for both metallic surface & pretreated - black side of TREXONN liner uniformly. The due care should be taken while spreading the araldite on metallic surface in longitudinal direction (Perpendicular to sliding direction) while on TREXONN liner Transvere direction (Parallel to sliding direction)

C. Adhesive Quantity : 0.200 kg per sq.m.

4. Fitment

The metallic surface & TREXONN liner mau be exposed to air for minutes for accelerating the curing & subsequently the TREXONN liner may be kept on metallic surface from one end & then slowly up to other end.

5. Curing

During curing the constant clamping pressure of 200gm/cm² may applied for 48 hours.

6. Finishing

Afte curing TREXONN liner can be finished by conventional finishing mediums like Grindstone & Polish papers.

Grindstone	Grinding Medium	SIC
	Grain Size	46
	Roughness	G
	Structure	16
Polish Papers	Binder	Ke
	Medium	Electrocoated SIC
	Grain Size	240
	Roughness	P

Caution : The Best performance of TREXONN system is dependent on bonding strength between metallic surface & liner. Hence any deviation w.r.t. undernoted matter shall result poor bonding & leading to premature failure of total system.

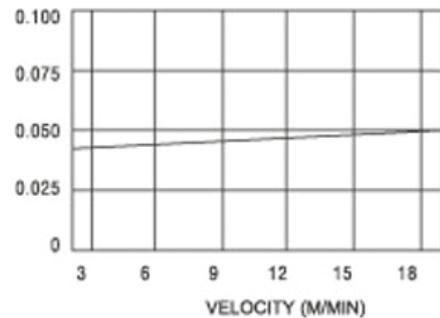
- Surface roughness of metallic surface.
- Cleaning Agents.
- Method of Application of glue.
- Exposure of treated surface of liner to light should be strictly avoided.

Physical Properties

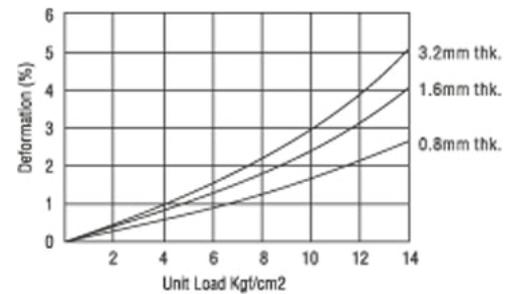
Property	Unit	Test Method	Value
Density	gm/cc	ASTM-D-792	3.2 (Min.)
Tensile Strength	kgf/cm ²	ASTM-D-638	150 (Min.)
Elongation	%	ASTM-D-638	150 (Min.)
Compressive Strength	kgf/cm ²	ASTM-D-695	100 (Min.)
Heat Resistance	°C	ASTM-D-648	-250 to + 250°C
Hardness	Shore D	ASTM-D-2240	60 (Min.)
Limiting PV Value	kgf/cm ² x mm/s	Type	400 (Min.)



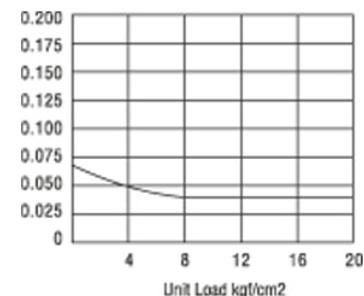
Coefficient of Friction (u)



Deformation Under Load



Velocity (M/MIN)



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