

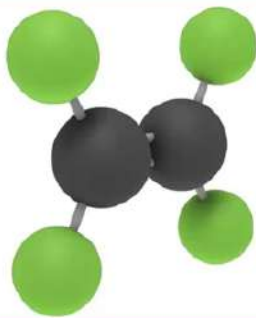


# HINDUSTAN NYLONS

www.hindustan-nylons.com

**Manufacturer of  
PTFE  
Poly Tetra Fluoro Ethylene  
& Filled PTFE  
Products**

Hindustan Nylons is leading ISO 9001:2015 manufacturer, supplier & exporter of PTFE Products from Miraj, Sangli District, Maharashtra State, in India. Hindustan Nylons manufactures PTFE & Filled PTFE Products and Top Technical company in PTFE Processing in India. The company manufactures PTFE semi-finished Products such as PTFE Molded & Ram Extruded Rods, PTFE Molded & Skived Sheets, PTFE Molded Bushes, PTFE Ram Extruded & Paste Extruded Tubes, PTFE Machined components in variety of filled grades of PTFE.



## Properties of Poly Tetra Fluoro Ethylene

Poly Tetra Fluoro Ethylene PTFE is high performance Engineering Plastics having unique properties:-

- PTFE is chemically Inert & non reactive to almost all known chemicals.
- PTFE has Excellent Thermal Resistance upto 2600C.
- PTFE is non-adhesive, not bondable & has Anti Stick Properties.
- PTFE is material with exceptionally low coefficient of friction.
- PTFE has Outstanding Electrical Insulation properties.
- PTFE has Excellent weathering resistance.

## Grades of PTFE and Filled PTFE

Sr. No.	Grade	Filler Content by Wt. %	Standard Series
1	Virgin PTFE	-	Yes
2	Chemically Modified PTFE	-	Yes
3	Glass Filled PTFE	15 - 25	Yes
4	Glass + MoS2 Filled PTFE	5 / 15 + 5	Yes
5	Carbon/coke Filled PTFE	25 - 35	Yes
6	Graphite Filled PTFE	15	Yes
7	Bronze Filled PTFE (oxidized / Non-oxidized)	40 - 60	Yes
8	Bronze plus, Molybdenum Disulphide Filled PTFE	40 / 55 + 5	Yes



**Hindustan Nylons** manufactures all these grades of PTFE Products with specific filler contents against specific order on request subject to Minimum Order Quantity.

There are many popular filled grades PTFE Products brand-named as **Trexonn, Turcite B, Rulon AR, Rulon AJ Gold** having specific properties, designed for specific service and applications

## There are many Non-standard Filled Grades of PTFE such as

- 7 – 14 % Aluminum Oxide (Alumina) Filled PTFE
- 5–15 % Mineral / Wallastonite / Calcium Silicate filled PTFE
- 5 -10 % Calcium Fluoride Filled PTFE
- 50 % Stainless Steel Filled PTFE
- 5 –10 % Mica Filled PTFE
- 10 – 20 % Peek Filled PTFE
- 0.1 – 0.2 % MOS2 Filled PTFE
- Pigmented PTFE
- Anti-Static PTFE
- Conductive PTFE



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# PTFE PRODUCT RANGE

## PTFE Ram Extruded Rods

Hindustan Nylons manufactures Ram Extruded PTFE Rods in variety of standard sizes.  
Diameter: 5mm - 100mm,  
Length: 900mm / 1000mm / 2000mm

## PTFE Molded Sheets

Hindustan Nylons manufactures Molded PTFE Sheet in variety of standard sizes.  
Dimension: Up to 1200mm X 1200mm,  
Thickness: Up to 100mm

## PTFE Ram Extruded Pipe

Hindustan Nylons manufactures Ram Extruded PTFE Pipes in variety of standard sizes.  
Diameter: Up to 100mm, Length: Up to 3300mm

## PTFE Gaskets

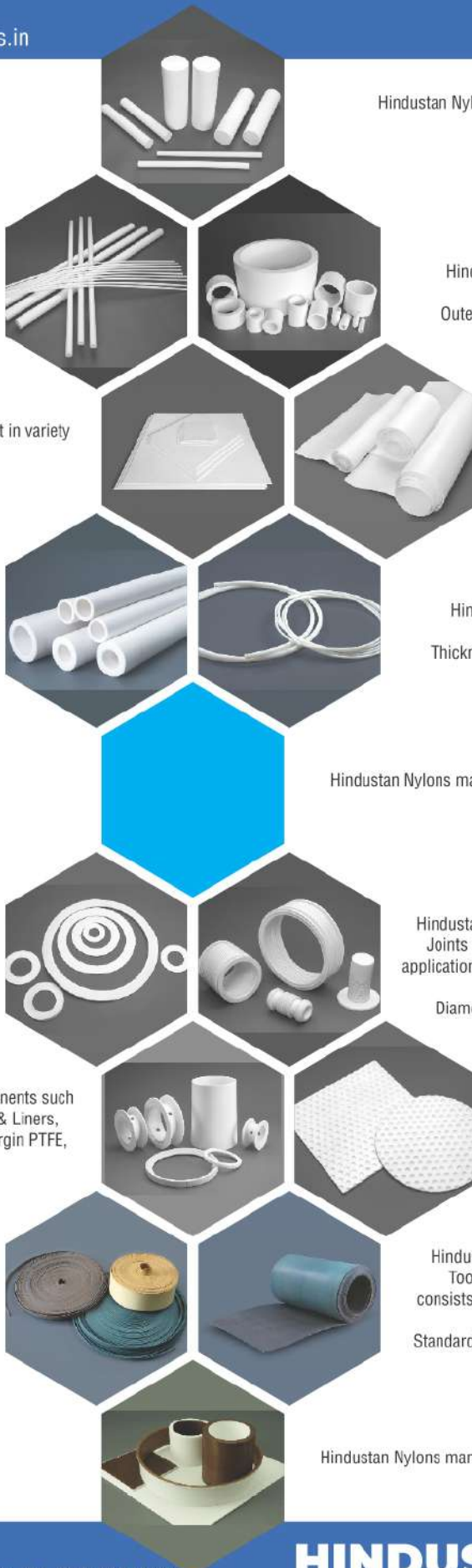
Hindustan Nylons manufactures PTFE Gaskets as per variety of standards such as ASA, DIN, BSetc for raised face & full face flanged joints. PTFE Gaskets are produced in various types such as Slit type Envelop Gaskets, Milled type Envelop Gaskets & Ready Cut / Solid Gaskets.  
Diameter:-Upto 1000 NB  
Thickness:- 0.5+0.5, 0.5+Gap+0.5, 1.5, 2, 3mm

## PTFE Valve Component

Hindustan Nylons manufactures PTFE Valve Components such as:- Ball Valve Seals & Seats, Butterfly Valve Seats & Liners, Plug Valve Sleeves in variety of Grades such as:- Virgin PTFE, Modified PTFE, Filled Grades of PTFE.  
Diameter:-upto 1000mm Length:-upto 1000mm

## PTFE Wear Strips / Bands

Hindustan Nylons manufactures PTFE Wear Strips / Bands. PTFE Wear Strips / Bands are manufactured in Virgin PTFE, Chemically Modified PTFE, Carbon Filled PTFE, Bronze Filled PTFE & other filled grades of PTFE.  
Standard Sizes:- 5.8, 9.5, 14.8, 19.8 & 24.8 mm Widths, 2.5 mm Thk in 25 Metres Length



## PTFE Molded Rods

Hindustan Nylons manufactures Molded PTFE Rods in variety of standard sizes.  
Diameter: 25mm - 500mm. Length: 300mm.

## PTFE Molded Bush

Hindustan Nylons manufactures Molded PTFE Bush in variety of standard sizes.  
Outer Diameter: Up to 500mm, Length: Up to 1000mm

## PTFE Skived Sheets

Hindustan Nylons manufactures PTFE Skived Sheet in variety of standard sizes.  
Thickness: Up to 3mm, Width: Up to 1200mm

## PTFE Paste Extruded Tubings

Hindustan Nylons manufactures Paste Extruded PTFE Tubings in variety of standard sizes Wall Thickness: 0.8, 1, 1.5, From 1.6 mm ID, up to 25 mm ID

## PTFE Ram Extruded Pipe

Hindustan Nylons manufactures Ram Extruded PTFE Pipes in variety of standard sizes.  
Diameter: Up to 100mm, Length: Up to 3300mm

## PTFE Bellows / Expansion Joints

Hindustan Nylons manufactures PTFE Bellows / Expansion Joints from full vacuum up to high pressure (10 kg/cm<sup>2</sup>) application with accessories such as internal sleeve, external ring, connection Rods, Connection Flanges etc.  
Diameter:- 25mm ID ~ 600mm ID Length:-upto 300mm

## PTFE Bridge Bearing Pads

Hindustan Nylons manufactures PTFE Bridge Bearing Pads as per Indian Standard: Code IRC-83 with one side dimpled for lubricant holding & other side-Sodium Itched-for Gluing.  
Size:-upto 1000mm Square or Circular  
Thickness:- 3mm ~ 6mm

## Trexonn Machine Tool Slideway Liners

Hindustan Nylons manufactures Trexonn Brand Machine Tool Slideway Liners. Trexonn Slideway Liner basically consists of Liner fixed on sliding part of machine Slideway for antifriction, vibration dampening purpose.  
Standard Sizes:- 1, 1.5, 2, 2.5 & 3 mm Thickness, 305 mm Width in Roll form.

## Chemically Treated PTFE Parts

Hindustan Nylons manufactures PTFE Products with Chemically Treated surfaces for making bondable.  
Products:- Bushes, Sheets in Virgin & Filled PTFE



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