



# Neeta Enterprises

**Non-Stick , Self Lubricating Coatings  
&  
Perfect Solution for your corrosion problems**



**Speciality in**

**PTFE/Teflon<sup>®</sup>, XYLAN<sup>®</sup>**

**ECTFE / HALAR,**

**PVDF, FEP, PFA**

**HDPE / LDPE,**

**NYLON, P.U.**

**Coating & Lining**

**(your best bet to combat corrosion)**





**Neeta Enterprises** has a rich & strong background in PTFE / Teflon Fluoropolymer Coatings & Lining. Neeta Enterprises is always ready to solve your problems of Friction, Lubrication, Chemicals, Corrosion, Wear and Abrasion, High Temperature resistance. We are always ready give you better solution to your problems in your process.

Neeta coatings demonstrate excellent adhesion to variety of materials. It gives Great surface to material to increase service performance and reduce production and maintenance cost.



**Nut Bolts Fasteners Coatings** : PTFE / TEFLON, XYLAN coating on Nuts & stud bolts significantly reduce the amount of make up torque lost to friction, Removing much of the uncertainty from predicting clamp loads. Also eliminates the problem of galling which occurs with Metals such as stainless steel. Resist corrosion in and sea water and in chemical environment. This prevents nuts from freezing & Significantly reduce Break-out Torque.

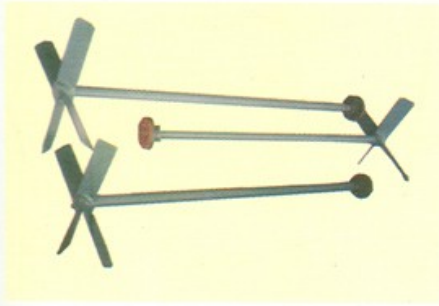
This coating of Teflon/ PTFE gives bearing effect that is reduces friction, making operations smoother and easier and completely eliminates squeaks. That develops **Dry Lubrication**.



**Non-stick** : Thin coating of Industrial non stick range embraces a diversity of applications including long lasting coatings For release of Rubbers & Plastic moulds, Heat Sealing Blades, Sweet Moulds Toffee Cutters, Hoppers, Chutes in Pharmaceuticals, Packaging, Food & Bakery Industry.

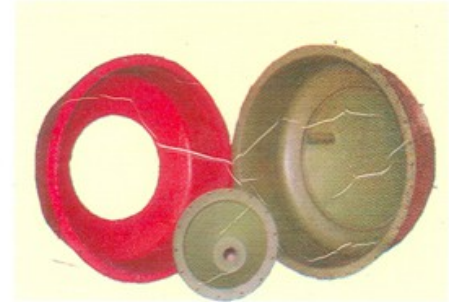
**Chemicals & corrosion Resistance** :This Coating & Lining on Pipes, Pipe Fittings , T joints , Elbows, Reducers, reduces corrosion by chemicals creating thickness from 0.8 to 3mm.





0.8 to 1mm coating thickness given on Agitators Impellers for avoiding Corrosion by chemicals.

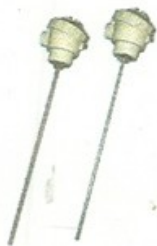
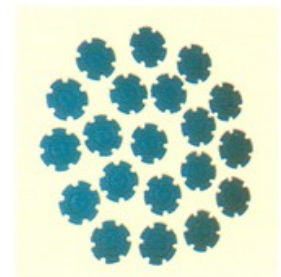
0.8 to 1mm coating / lining given on Reaction vessels, Tanks, Jacketted vessels & its fittings. For corrosion & chemicals resistance like, acids /alkalies etc.



1mm to 3mm lining given on vessels / Tanks, Agitators, impalers for highly corrosive chemicals Acids and Alkalies.



PTFE / Teflon coating on Thin diaphragms are used in diaphragms valves to avoid corrosion by chemicals in chemical industry.



Coating on sensors is given to protect from acids and alkalies in chemical industry

Thermowells are also coated with Teflon /PTFE to avoid corrosion by chemicals & its fumes. Otherwise Hastalloy like costly material has to be used to avoid corrosion





We would like to introduce ourselves as a pioneer in the field of PTFE Teflon / XYLAN, coating & lining in Industry for various Applications.

- Low coefficient of friction 0.02
- High Temperature Resistance -385f to 545f
- Outstanding chemical & corrosion Resistance.
- Excellent Wear & Abrasion Resistance.
- Resistance to ultra violet & Nuclear Radiation.
- Excellent Self Lubricating & Non Stick property.

#### Applications.

PTFE / Teflon Xylan coating & Lining can be Applied on Reaction vessels & Fiting parts Jacketted Vessels , Valves and Valves fittings, Agitators , Impellers , Thermowells, Sensors, Pumps , Nut & Bolts Fasteners, Rollers , Cylinders, Trays, Bakery Moulds, Buiscuit moulds, Textile cylinders, Packaging Industry etc.

- Coating Thickness = 20 Microns to 1 mm
- lining Thickness = 1.5mm to 4/5 mm
- Working Temp = 150c to 350c
- Spark testing = 2 kv to 5 kv

We Welcome your enquiries or call in this Regard with all respect. In the mean time , we assure you our best Services at all time . We look forward to hear from you.

DESCRIPTION	UNITS	ECTFE	FEP	PFA	PVDF
Max. Temp.	°C	-50 to 175	-80 to +200	-100 to +260	-40 to +150
Tensile Strength	Kg/m <sup>2</sup>	491	180	190-200	400-500
Izod Impact Strength	Kg. cm.	No Break	No Break	No Break	10 to 12
Elongation	%	40	30	35	30
Hardness	Rockwell/Shore	R93/D75	R40/D60	R45/D65	R11/D77-82
Abras Resistant	Armstrong	0.3	0.4	0.6	0.4
Water Absorption	%	0.01	0.01	0.01	0.04
Dielectric Constant	10 <sup>3</sup> -10 <sup>6</sup> Hz	2.6	3.1	2.1	0.60
Dielectric Strength	KV / MM	21	15	20-26	14/14
Volume Resistivity	Ohms-Cm	>10 <sup>15</sup>	> 10 <sup>16</sup>	> 2.0 x 10 <sup>15</sup>	1.3 x 10 <sup>12</sup>
Thermal Conductivity	Cal. Sec <sup>-1</sup>	4.10 <sup>-4</sup>	5.8 <sup>-4</sup>	6.10 <sup>-4</sup>	3.10 <sup>-4</sup>
(ASTM C 177)	cm <sup>-1</sup> °c <sup>-1</sup>				
Thermal Expansion	10 <sup>-6</sup> °C	12-17	5-9	8-10	12
Density	gms /c.c.	1.68	2.16	2.16	1.78
Chemical Resistant	--	Excellent	Excellent	Excellent	Good

**Note :** All the statements , information & data presented here in are believed to be accurate & reliable & are being described by the manufacturers . Henceforth we make no warranties, Guarantee or responsibility of any kind expressed or implied & assume no liability in connection with the use of information. Customer must test for Application suitability.



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