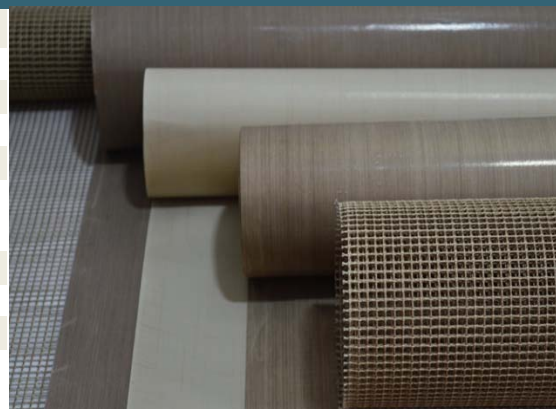


PTFE COATED FIBREGLASS CLOTH

PTFE (Teflon®) is a material of remarkable properties: Nonstick, friction free, self lubricating, non-wettable, nonflammable, non brittle, non-toxic, resistant to atmospheric conditions, resistant to fungus growth are some of its major properties. Its electrical properties are equally outstanding. All properties are maintained over a wide temperature range -200°C to +360°C.

FIBRE GLASS too is a material of remarkable properties. Fabrics made from continuous filament yarn exhibit superior properties in terms of high tensile strength, low elongation, high temperature resistance etc.



A combination of both produces a unique blend PTFE/GLASS CLOTH, retaining all the properties of both the constituents. It is highly suitable for manufacturing conveyor belts for high temperature resistance etc.

PROPERTIES

PHYSICAL / MECHANICAL PROPERTIES	ELECTRICAL
Outstanding non-stick properties.	Unsurpassed dielectric properties, make the belts the only suitable choice for use in micro-wave Ovens.
High tensile & tear strength.	Unique electrical insulation properties
Very low elongation at break	
Light - weight - requires very low power to drive	
CHEMICAL PROPERTIES	THERMAL PROPERTIES
Non-toxic - Safe for hygiene	Conserves heat energy during passage through oven or dryer. Does not loose energy through radiation
Inert to almost all chemicals, paints & solvents	
Non-wettable, lower moisture absorption	
Immune to fumes & fungus	Operating temperature -200°C to +360°C.

THICKNESS AVAILABLE & THEIR TECHNICAL SPECIFICATIONS

Thickness		Weight Gms/ mtr ²	TENSILE STRENGTH (KG) 1" x 4"	
Mil / Colour	mm		WARP	WEFT
3 Mil	0.08	135	25	20
5 Mil (Standard)	0.11	235	45	45
5 Mil (Premium)	0.13	250	50	50
6 Mil	0.15	280	45	45
10 Mil (Impression)	0.2	260	80	80
10 Mil	0.25	520	80	70
14 Mil	0.33	660	125	125
22 Mil	0.52	1000	130	120
28 Mil	0.67	1200	140	130

For More Details, Please Contact:

PETRORAYS PRODUCTS CO

Think Polymers..... Think Petrорays

126/128, Nagdevi Street, 3rd Floor, Masjid Bunder (W), Mumbai - 400003. India

Tel: +91 (022) 6634 9695 | 2340 3706 | 2346 3492 | (M) +91 98676 25101 | 93222 25101

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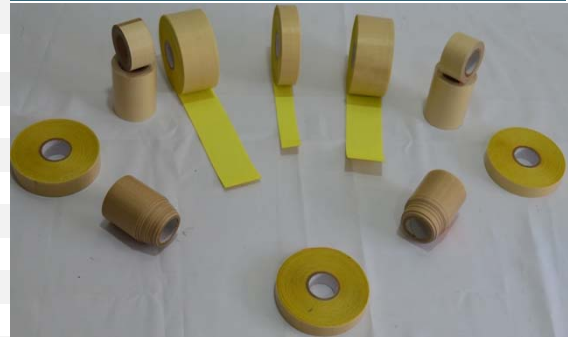
CATALOGUE

PTFE COATED FIBREGLASS ADHESIVE TAPES

PTFE Coated Fibreglass one side silicon pressure sensitive adhesive tapes for temperature resistance upto 260°C. These Tapes are used in sealing of polymer film in FFS, Impulse sealer Band Sealer, & bags making machine. During this operation the plastic film is hot & sticky & the operation is made more efficient if the sealing bars are covered with the strips of PTFE Adhesive tapes, which is very good heat conductor & gives non-stick Surface

We also have fabrics & Tapes which gives impression on the sealing area.

We also have premium grades of Adhesive tapes which are specially used in Oil & Ghee packings



TECHNICAL SPECIFICATIONS

Thickness Mil / Grade	mm	Weight Gms/ mtr ²	TENSILE STRENGTH (KG) 1" x 4"	
			WARP	WEFT
5 Mil (standard)	0.2	330	50	50
5 mil (Premium)	0.2	330	50	50
10 Mil (Standard)	0.3	550	80	70
5Mil (Kapton) - Oil & Ghee	0.23	390	50	50

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Teflon® | Nylon | Derlin® | Poly-Urethane | Poly-Propylene | PEEK® | UHMW-PE

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APPLICATION FOR PTFE CLOTH & ADHESIVE TAPES

PACKAGING INDUSTRIES:

Poly Bags manufactures
Milk, Ghee, Bread, Biscuits and Dairy & soap products
Laminating shoe inner soles
High frequency welding of PVC/HDPE pipes, wide width plastic tarpaulins
Storage and canal lining

PLASTICS INDUSTRIES:

Release fabric for hot plate welding of plastics (UPVC, White good and automotive)
Release fabric for H.F. and I.R. Welding, PE & PU extrusion coatings, welding of polythene bags

NON-STICK APPLICATIONS:

Lining of confectionary trays, Chute Lining in sugar and flour industries
In manufacture of grinding wheels for interleaving discs, as seperators whilst curing
Excellent release cloth, when molding resin bonded laminates

TEXTILES INDUSTRIES:

Covering drying cylinders to prevent sticking and size build-up entrance and exit curtains on drying ovens
Used for laminating fabrics and PU Foam
Garment manufacturing - collar fusing

CURING INDUSTRIES:

Belts for extruded rubber profile curing
Belts for curing of paint chips, P.U., P.E. & PVC products
Process belts for curing and impression of PVC backed carpets
Release belts for curing of hot melt adhesives and adhesive tapes, abrasive wheel discs

FOOD INDUSTRIES:

Release fabric for lining of baking trays/dough and meat
Belts for baking & cooling biscuits and confectionery
Process belts for frying/ drying and curing of meats
Release tapes for vertical FFS machine and vacuum packing

CHEMICAL , ELECTRICAL / ELETRONIC INDUSTRIES:

Protective curtains in process plants limiting splashing and fumes
For gaskets & membrane
Protective clothing and aprons
Release sheets used in laminating printed circuit board
Belts for drying ink & solders on PCBs

PRINTING INDUSTRIES:

Belts for UV dryer for drying printed ink on card, paper, board. Metals, T – Shirts, glass, plastic parts
Belts for drying ink & solders on PCBs
Color masking on four color off-set litho printing machines

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CATALOGUE

GUIDELINES FOR AFFIXING THE TEFLON ADHESIVE TAPES

SURFACE PREPARATION :

Clean the roll/bar/sheet/rod etc. where you want to stick the tape with dry cloth or zero number Sand paper.

Remove all dirt, grease, carbon etc.

Gently rub the surface with the solvent such as acetone, methyl ethyl ketone (MEK) etc. and see that the roll/bar/sheet/rod etc. is dry, clean & slightly rough

EVEN A SLIGHT OIL OR DIRT LEFT ON SURFACE CAN IMPAIR ADHESION STRENGTH

APPLICATION :

Open release paper (yellow corrugated) from one side & start to stick the tape with thumb pressure. Open only about 2" to 4" initially.

Again open release paper a little bit & stick adhesive tape on the surface. This will help avoid air bubbles.

Stick in such a manner that you do not have to ply off the tape for minor adjustments. In other words stick correctly the very first time.

If air bubbles are entrapped remove by rolling a round rod.

THIS GUIDE IS BEEN SUBMITTED FOR OPTIMUM LIFE OF THE ADHESIVE TAPES

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All technical information & recommendations given are based on first hand experience. However we do not undertake any legal responsibilities for the same.

It is advised to check information data & results. Since the performance of a cloth & adhesives tapes can be judged only through onsite evaluation.