TACONIC
INDUSTRIAL PRODUCTS DIVISION

TAC-TAPES™

Pressure Sensitive Tapes

Pressure sensitive Taconic TAC-TAPES™ are manufactured from high quality PTFE-coated glass fabric, silicone rubber coated glass fabrics and skived PTFE-film, in various widths and thickness. All TAC-TAPES™ listed are available with silicone or acrylic adhesive.

Taconic TAC-TAPES™ are used in many industrial products and processes, the silicone adhesive has been formulated for continuous use up to +260°C. The Taconic TAC-TAPES™ selection cover a wide range of operations and can be supplied from 10mm to 1000mm wide, in rolls of 10, 15 or 30 metres as standard.

Taconic PTFE-GLASS™ Pressure Sensitive Tape is available up to 1500mm wide. See the Taconic PTFE-GLASS™ technical data sheet for further information on maximum widths available in each product series.

Taconic PTFE-Glass™ Fabric Tape - Adhesive Backed

Premium Grade
PTFE coated on both sides, with one side coated with a pressure sensitive silicone polymer adhesive.

Standard Grade
Preferred for most adhesive applications, smooth surface with remarkable non-stick properties.

Industrial Grade
Has a medium coating of PTFE and is employed for general applications.

Semi-Conductive Tac-Black™
Graphite loaded giving semi-conductive and anti-static properties to the material.

Taconic Skived PTFE Film - Adhesive Backed

ASK-00E
Pure skived PTFE with one side coated with a pressure sensitive silicone polymer adhesive.

Taconic Silicone Rubber Glass Fabric - Adhesive Backed

A wide range of Silicone glass fabrics, Plasma Spray and other specialist tapes are also available. See Silicone Rubber coated fabrics sheet for details.

Applications:
New applications for Taconic TAC-TAPES™ are reported regularly from many industries. General applications can be associated mainly with four outstanding properties of Taconic Tac-Tapes.

A. Electrical
B. High and low temperature
C. Release and low friction
D. Chemical resistance.

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PTFE-GLASS

PROPERTIES OF PTFE-GLASS™ FABRICS

The general properties of "Fluon®" or "Teflon®" PTFE (Polytetrafluoroethylene) are well known. The material resulting when PTFE is combined with glass fabric has the following general properties:-

- Superior heat and cold resistance
- Excellent chemical resistance
- High dielectric strength
- Dimensional stability under heat and pressure
- Low electrical losses
- Low friction, non-stick smooth surface.

Electrical Grade "Hi-D"

Taconic "Hi-D" PTFE-GLASS™ electrical grade is a heavy coated super-smooth, high dielectric material. It has minimum outgassing, good abrasion resistance and high tensile and dimensional strength.

Premium Grade

Has an extra heavy coating of Fluon® or Teflon® and are employed for special applications requiring a super-smooth surface, such as laminate - release sheets and other specialised heat sealing and non-stick applications.

Standard Grade

Preferred for most applications they have a smooth surface and exhibit remarkable anti-stick properties. Main uses are: release sheets in heat sealing and laminating processes; non stick surfaces for paints, adhesives, resins and food products.

Industrial Grade

Have a medium coating of Fluon® or Teflon® and are used primarily in the packaging industry and as release sheets in the manufacture of plastic bags.

Porous Bleeder and Filter

Available over a wide range of porosity from 4mm open mesh to 50 microns. Principal uses are in filtration, strainers, pollution abatement applications, conveyor belts in fan drying and curing processes for many industries.

Crease and Tear Resistant

Taconic PTFE-GLASS™ fabrics can be given a special treatment making the finished product more flexible and resistant to crease and tear. Currently used in high speed packaging belts and flexing applications.

Semi-Conducting Tac-Blac™

Provided with a carbon loading giving semi-conductive and anti-static properties to the material. TAC-BLAC™ PTFE-GLASS™ eliminates or reduces static problems in belt and slip sheet applications.

ALL TAC-BLAC™ TYPES ARE BLACK OR GREY-BLACK.

Teflon® - Trademark of Du Pont
Fluon® - Trademark of ICI