



PTFE Teflon® Glass Fabric Grades & Material Data Sheets

Taconic TAC-TAPES™

Taconic TAC-TAPES™ are constructed with high-quality adhesives and backing materials to deliver superior performance. A choice of silicone or acrylic adhesives is available on most Taconic TAC-TAPES™. Benefits include:

- Optimal release
- Low friction
- Electrical insulation
- Dimensional stability
- Excellent temperature resistance:
Acrylic adhesive: -40°F - +350°F (-40°C - +177°C)
Silicone adhesive: -100°F - +500°F (-73°C - +260°C)

[Taconic TFE-Glass™ TAC-TAPE™ \(6085, 6095\)](#)

Outstanding dimensional stability and tensile strength are the primary characteristics of PTFE coated glass-fabric pressure sensitive tape. Other features include:

- Excellent strength
- High heat resistance
- Non-stick surface
- Exceptional wear life

Available in the following grades:

- Standard Grade (6085) – Preferred for most adhesive applications, smooth surface with remarkable non-stick properties.
- Premium Grade (6095) – The smoothest surface for the most demanding applications

[Taconic TFE-GLASS™ Roll Covering \(6005\)](#)

Covering rolls, drying cylinders and textile dry cans with Taconic TFE-GLASS™ Roll Covering can dramatically reduce downtime and maintenance costs.

- Easy installation
- Less maintenance than shrink tubing or spray coating
- Easily repaired

[Taconic TFE-GLASS™ Zone Tape \(6500, 6600\)](#)

Taconic's Zone Tape combines our TFE-GLASS™ with a special double-sided tape to create custom adhesive zones. Adhesive is available either silicone or acrylic. Specify adhesive type and zones at time of order.

[Taconic Glass Cloth TAC-TAPE™ \(6605, 6615\)](#)

With adhesive available on one or both sides, Taconic Glass Cloth TAC-TAPE™ is designed for use in masking parts for plasma spraying and for inner and outer wraps for transformers and motors.

- Superior cut-through and abrasion resistance
- Excellent flexibility
- High temperature stability

[Taconic Thermal Spray Tape](#)

Taconic has developed an extensive range of adhesive tapes for the Thermal Spray industry to complement its popular PTFE coated products. These adhesive tapes have been specifically designed to perform in applications ranging from Flame and Plasma Spray to HVOF and Grit Blast.

[Taconic Skived PTFE TAC-TAPE™ \(6115\)](#)

This tape has received wide acceptance in both military and industrial applications. Its high elongation properties are useful where conformability is important.

- Coated with a high temperature silicone adhesive, PTFE tape excels as a wire wrap and insulation tape for high dielectric and high temperature applications.
- For mechanical applications and all purpose use, PTFE tape offers superior low friction and non-stick properties.

[Taconic High Density PTFE TAC-TAPE™ \(6445\)](#)

This tape is made with an oriented PTFE film and offers lower elongation and high wear properties.

[Taconic UHMW Polyolefin TAC-TAPE™ \(6311\)](#)

Primarily used in low temperature mechanical applications (below 66C/150F), Taconic UHMW Polyolefin TAC-TAPE™ is an ultra-wear pressure sensitive tape constructed from **Ultra-High Molecular Weight** polyolefin and an acrylic adhesive.

- Out-wears PTFE five to one in low temperature applications
- Abrasion & puncture resistant
- Extremely low coefficient of friction
- Non-stick surface
- Superior tensile strength

[Taconic FEP TAC-TAPE™ \(6145\)](#)

Optical clarity, high elongation, and exceptional UV resistance are the key attributes of Taconic FEP Tape.

- Conforms readily to difficult shapes
- Impervious to weathering
- Excellent dielectric properties

[Applications](#)

Learn about the different applications for Taconic's TFE-GLASS™ and SRC-GLASS™ tapes, fabrics and belts.

To download more detailed product information, please click on the part number.

(To download data sheets, you will need Adobe Reader. Click here to download Adobe Reader for free.)



Part Number	Overall Thickness (inches)	Adhesive Thickness (inches)	Adhesive Type	Tensile Strength Warp/Fill (lbs/in)	Tear Strength Warp/Fill (lbs)	Maximum Width
Premium Grade TFE-GLASS™ TAC-TAPES™						
6095-03	0.0053	0.0022	Silicone	95/55	1.5/0.9	36"
6095-05	0.0073	0.0022	Silicone	140/130	2.2/1.7	36"
6095-06	0.0080	0.0022	Silicone	150/115	2.1/1.8	36"
6095-10	0.0122	0.0022	Silicone	325/235	7.5/4.0	36"
6093-03	0.0051	0.0020	Acrylic	95/55	1.5/0.9	36"
6093-05	0.0071	0.0020	Acrylic	125/130	1.8/1.7	36"
6093-06	0.0080	0.0020	Acrylic	150/150	2.1/1.7	36"
6093-10	0.0120	0.0020	Acrylic	325/235	7.5/4.0	36"
Standard Grade TFE-GLASS™ TAC-TAPES™						
6085-03	0.0050	0.0022	Silicone	100/50	1.7/0.9	36"
6085-05	0.0068	0.0022	Silicone	135/120	2.3/1.5	36"
6085-06	0.0084	0.0030	Silicone	150/140	2.0/1.5	36"
6085-10	0.0121	0.0030	Silicone	250/155	4.9/3.0	36"
6085-14	0.0168	0.0030	Silicone	440/250	7.0/5.0	36"
6083-03	0.0050	0.0020	Acrylic	90/50	1.7/0.9	36"
6083-05	0.0067	0.0020	Acrylic	135/120	1.8/1.5	36"
6083-06	0.0075	0.0020	Acrylic	150/140	2.0/1.5	36"
6083-10	0.0113	0.0020	Acrylic	250/155	6.0/3.0	36"
6083-14	0.0160	0.0020	Acrylic	440/250	7.0/5.0	36"
TFE-GLASS™ Roll Covering						
6005-06	0.0085	0.0030	Silicone	150/140	2.0/1.5	36"
TFE-GLASS™ Zone Tape						
6500-03	0.0105	0.0030	Silicone	90/50	N/A	"

6500-05	0.0120	0.0030	Silicone	145/125	N/A	"
6500-06	0.0130	0.0030	Silicone	150/140	N/A	"
6600-05	0.0065	0.0015	Acrylic	145/125	N/A	"
6600-06	0.0075	0.0015	Acrylic	150/140	N/A	"
Glass Cloth – Single Side Adhesive						
6605-07D	0.0070	0.0020	Silicone	120/180	N/A	40"
6603-07	0.0070	0.0020	Acrylic	120/180	N/A	40"
Glass Cloth – Double Side Adhesive						
6615-07	0.0070	0.0030	Silicone	125/120	N/A	36"
6615-10D	0.0105	0.0040	Silicone	380/280	N/A	36"

Part Number	Substrate	Overall Thickness (inches)	Adhesive Thickness (inches)	Adhesive Type	Peel Strength (oz/inch)	Maximum Width
Thermal Spray						
A1080	Aluminum Foil / Fiberglass	0.0066	0.0030	Silicone	60	36"
A1084	Silicone Rubber / Fiberglass	0.0108	0.0030	Silicone	33	36"

Part Number	Overall Thickness (inches)	Adhesive Thickness (inches)	Adhesive Type	Tensile Strength (lbs/in)	Elongation %	Maximum Width
Skived PTFE Film Tape						
6115-03	0.0052	0.0022	Silicone	8	125	36"
6115-05	0.0072	0.0022	Silicone	15	200	36"
6115-10	0.0122	0.0022	Silicone	33	250	36"
6113-03	0.0050	0.0020	Acrylic	8	100	36"
6113-05	0.0070	0.0020	Acrylic	20	200	36"
6113-10	0.0120	0.0020	Acrylic	30	200	36"
Skived / Oriented PTFE Film Tape (High Density)						
6445-02	0.0040	0.0020	Silicone	13	45	19"
6445-05	0.0080	0.0030	Silicone	30	125	19"
UHMW Film Tape						
6311-05	0.0070	0.0020	Acrylic	30	300	18"

6311-10	0.0120	0.0020	Acrylic	60	350	18"
FEP Film Tape						
6145-02	0.0040	0.0020	Silicone	4.5	165	22"

The data herein is based on controlled sample test results. The information is intended for comparison purposes only as each manufactured lot will exhibit normal variation. Users are expected to determine product suitability for their specific intended use before application. All data is subject to change without notice.

**Call Professional Plastics at (800) 966-7767 or
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