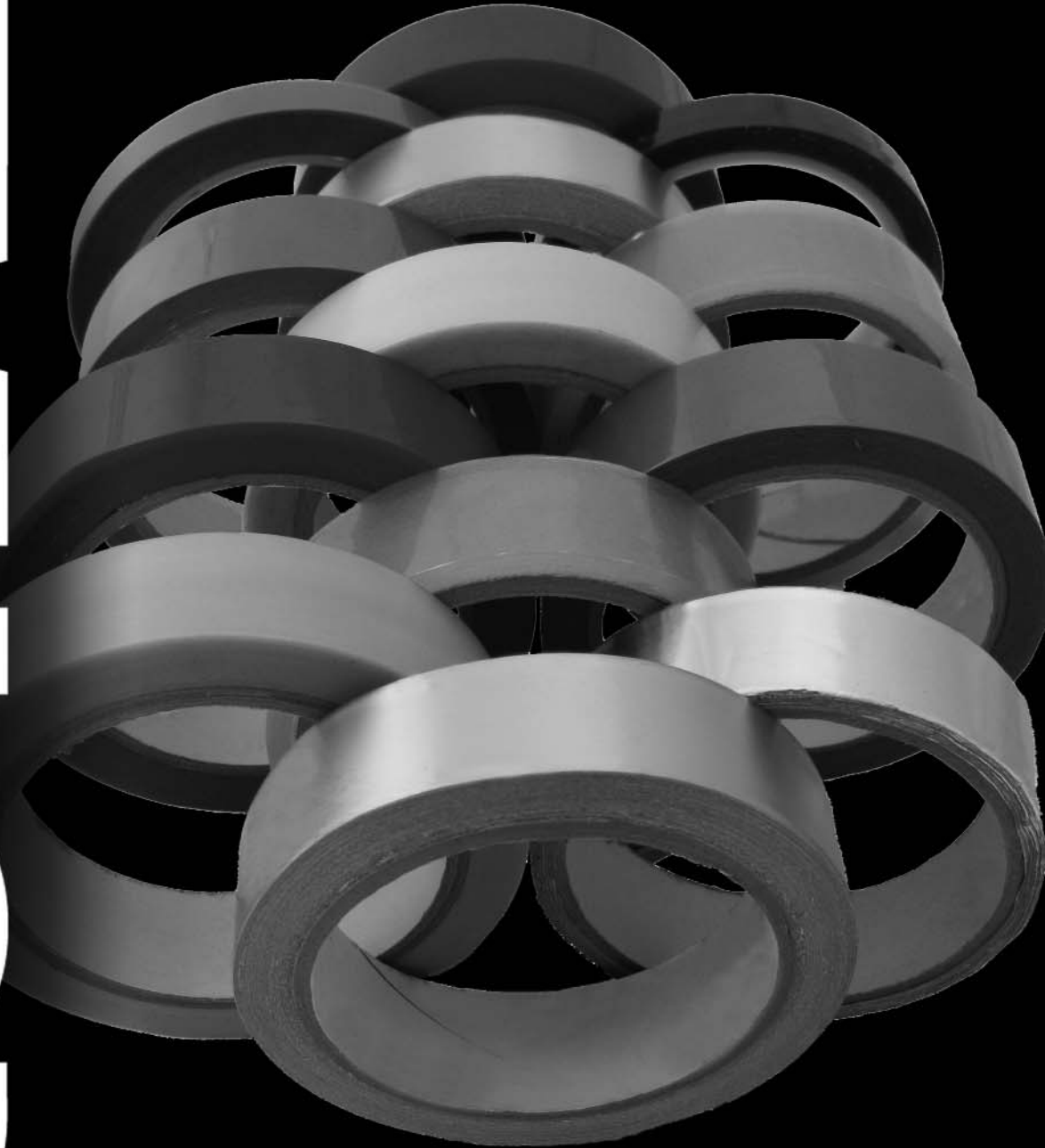


**ISO 9001:2004**

**Specialty  
Tapes**

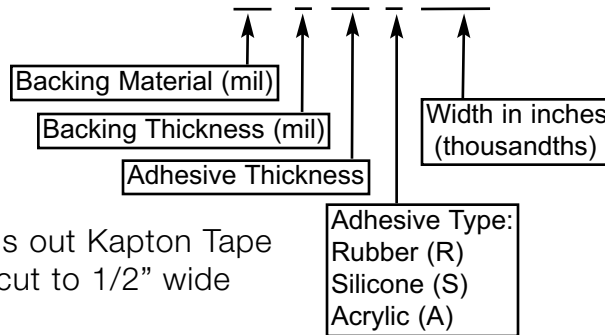


**AS 9100:2004  
ISO 9001:2000  
REGISTERED**

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SPECIFY TAPE AS FOLLOWS: TK- 1/1.5-S-0500



The example above calls out Kapton Tape with silicone adhesive, cut to 1/2" wide

TEFLON is a registered trademark of E.I. du Pont de Nemours and Company Corporation

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# POLYIMIDE FILM

**TK** tape is produced using a high-temperature polyimide film. Suitable for various high temperature applications, **TK** tape is commonly used in printed circuit board applications. Aside from its high-temperature characteristics, it also exhibits high mechanical and thermal stability, as well as resistance to radiation damage.

Operating Temperature Range: Silicone Adhesive (S):  
 -100°F (-73°C) to 500°F (260°C)  
 Acrylic Adhesive (A):  
 -20°F (-29°C) to 350°F (177°C)  
 Standard Colors: Amber

Catalog Number Size	Adhesive	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation %
		mil	mm	mil	mm	mil	mm	oz/in	g/cm	lbs/in	kg/cm	
TK-1/1.5-S	S	1.0	0.025	1.5	0.038	2.5	0.064	20	220	30	5.4	50
TK-2/1.5-S	S	2.0	0.051	1.5	0.038	3.5	0.089	20	220	50	8.9	75
TK-1/1.5-A	A	1.0	0.025	1.5	0.038	2.5	0.064	30	331	30	5.4	50
TK-2/1.5-A	A	2.0	0.051	1.5	0.038	3.5	0.089	30	331	50	8.9	75
TK-1/1.5-ESD	S*	1.0	0.025	1.5	0.038	2.5	0.064	20	220	30	5.4	50
TK-1/3.5-S/S	S/S**	1.0	0.025	3.5	0.089	4.5	0.114	20	220	30	5.4	50

\* Specially formulated for ESD applications

\*\* Double-Sided tape

# TEFLON FILM

**TT1** tape is produced using a skived Teflon film. Applications include packaging equipment, heat sealing applications, graphics arts, electrical insulation, and multi-purpose industrial uses. **TT2** tape is a stretchier version, with higher tensile strength. Characteristics include excellent resistance to chemicals, high dielectric strength, high temperature resistance, and abrasion resistance.

Operating Temperature Range: -100°F (-73°C) to 500°F (260°C)  
 Standard Colors: White

Catalog Number Size	Adhesive	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation %
		mil	mm	mil	mm	mil	mm	oz/in	g/cm	lbs/in	kg/cm	
TT1-2/1.5-S	S	2.0	0.051	1.5	0.038	3.5	0.089	25	276	15	2.7	250
TT1-3/3-S	S	3.0	0.076	3.0	0.076	6.0	0.152	30	331	20	3.6	275
TT1-5/1.5-S	S	5.0	0.127	1.5	0.038	6.5	0.165	35	386	30	5.4	275
TT1-10/2.5-S	S	10.0	0.250	2.5	0.063	12.5	0.318	55	606	60	10.8	300
TT2-2/1.5-S	S	2.0	0.051	1.5	0.038	3.5	0.089	25	276	25	4.5	150
TT2-2/1.5-S-G	S*	2.0	0.051	1.5	0.038	3.5	0.089	25	276	25	4.5	150
TT2-5/1.5-S	S	5.0	0.127	1.5	0.038	6.5	0.165	30	331	45	8.0	200

\* Standard Color : Gray

# FIBERGLASS TAPE

**TG** tape is a high temperature fiberglass tape, resistant to a wide range of chemicals. Suitable for various high temperature applications, **TG** tape has excellent mechanical strength and correspondingly high tensile strength. These tapes can also be written on as labels.

Operating Temperature Range: Silicone Adhesive (S):  
 -100°F (-73°C) to 500°F (260°C)  
 Rubber Adhesive (R):  
 -0°F (-18°C) to 350°F (177°C)  
 Acrylic Adhesive (A):  
 -20°F (-29°C) to 350°F (177°C)

Standard Colors: White

Applicable Specifications: Mil-I-19166C, consult factory

Catalog Number Size	Adhesive	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation %
		mil	mm	mil	mm	mil	mm	oz/in	g/cm	lbs/in	kg/cm	
TG-4.5/2.5-R	R	4.5	0.114	2.5	0.064	7.0	0.178	50	551	150	26.8	-
TG-4.5/2.5-S	S	4.5	0.114	2.5	0.064	7.0	0.178	40	441	160	28.6	-
TG-4.5/2.5-A	A	4.5	0.114	2.5	0.064	7.0	0.178	30	331	150	26.8	-
TG-4.5/2.5-S/S	S*	4.5	0.114	2.5	0.064	7.0	0.178	40	441	175	31.3	-

\* Double-sided tape

# COPPER & ALUMINUM FOIL TAPE

**TC** (copper) and **TA** (aluminum) foil tapes are used where EMI is of concern. The conductivity of the metals allow electromagnetic absorption and isolation. Frequently used around shielded connectors and devices, the adhesives on these tapes can be specially formulated to enhance their EMI characteristics.

Operating Temperature Range: -40°F (-40°C) to 250°F (121°C)  
 Standard Colors: Copper and Aluminum  
 Applicable Specifications: Mil-T-47012, consult factory

Catalog Number Size	Adhesive	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation %
		mil	mm	mil	mm	mil	mm	oz/in	g/cm	lbs/in	kg/cm	
TC-1.5/2-A	A*	1.5	0.038	2.0	0.051	3.5	0.089	35	386	90	16.0	-
TA-3/2-A	A	3.0	0.076	2.0	0.051	5.0	0.127	65	717	45	8.0	-

\* Electrically conductive acrylic adhesive

**TP****POLYESTER TAPE**

**TP** tapes are polyester tapes available in a range of colors. Their main applications include graphic arts, splicing, electrical insulation, film seaming, and repair. These tapes offer good adhesive wet out and low adhesion properties. Several of these are used to print and wrap over capacitors.

Operating Temperature Range: Silicone Adhesive (S):  
 -100°F (-73°C) to 350°F (177°C)  
 Rubber Adhesive (R):  
 -0°F (-18°C) to 325°F (163°C)  
 Acrylic Adhesive (A):  
 -20°F (-29°C) to 325°F (163°C)

Standard Colors: See Below

Applicable Specifications: Mil-I-15126, consult factory

Catalog Number Size	Adhe- -sive	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation %	Color
		mil	mm	mil	mm	mil	mm	oz/in	g/cm	lbs/in	kg/cm		
TP-1/2-S-6	S	1.0	0.025	2.0	0.051	3.0	0.076	25	276	25	4.5	100	Blue
TP-1/2.8-S-2	S	1.0	0.025	2.8	0.071	3.8	0.097	30	331	25	4.5	100	Red
TP-1/2-S-X	S	1.0	0.025	2.0	0.051	3.0	0.076	30	331	25	4.5	100	Clear
TP-1/1.5-S-6	S	1.0	0.025	1.5	0.038	2.5	0.064	30	331	25	4.5	100	Blue
TP-2/1.5-S-5	S	2.0	0.051	1.5	0.038	3.5	0.089	40	441	50	8.9	120	Green
TP-1/0.5-R-6	R	1.0	0.025	0.5	0.013	1.5	0.038	5	55	25	4.5	100	Lt. Blue
TP-1/2-R-4	R	1.0	0.025	2.0	0.051	3.0	0.076	30	331	25	4.5	100	Dk. Yellow
TP-1/2-R-5	R	1.0	0.025	2.0	0.051	3.0	0.076	15	165	25	4.5	100	Green
TP-2/2-R-5	R	2.0	0.051	2.0	0.051	4.0	0.102	15	165	50	8.9	120	Green
TP-1/1.5-A-4	A	1.0	0.025	1.5	0.038	2.5	0.064	30	331	25	4.5	100	Yellow
TP-1/1.5-A-9	A	1.0	0.025	1.5	0.038	2.5	0.064	25	276	25	4.5	100	White

**TF****FEP TAPE**

**TF** tape is manufactured from clear FEP Teflon film, bonded with silicone adhesive. This tape offers very high electric strength (V/mil) compared to the other tapes available. Often used for coil and transformer insulation, and for identification labels due to its transparency.

Operating Temperature Range: -100°F (-73°C) to 400°F (204°C)  
 Standard Color: Clear

Catalog Number Size	Adhe- -sive	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation %
		mil	mm	mil	mm	mil	mm	oz/in	g/cm	lbs/in	kg/cm	
TF-2/1.5-S	S	2.0	0.051	1.5	0.038	3.5	0.089	20	220	8	1.4	275

# GLASS/TEFLON TAPE

**TGT** tapes consist of standard grade Teflon impregnated with fiberglass. The Teflon coating provides superior chemical inertness while the fiberglass adds dimensional stability and restricts Teflon cold flow. The Teflon also provides a quick release surface and is often used in heat-sealing machines, plastic bag manufacturing and roll can covering.\*\*

Operating Temperature Range: Silicone Adhesive (S):  
 -100°F (-73°C) to 500°F (260°C)  
 Standard Colors: Brown

Catalog Number Size	Adhesive	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesion Strength		Tensile Strength		Elongation %
		mil	mm	mil	mm	mil	mm	oz/in	g/cm	lbs/in	kg/cm	
TGT-3/1.7-S	S	3.0	0.076	1.7	0.043	4.7	0.118	45	497	90	16.1	-
TGT-5/1.7-S	S	5.0	0.127	1.7	0.043	6.7	0.170	55	607	175	31.2	-
TGT-6/1.7-S	S	6.0	0.152	1.7	0.043	7.7	0.194	55	607	175	31.2	-
TGT-10/1.7-S	S	10.0	0.250	1.7	0.043	11.7	0.297	60	662	250	44.6	-

\* Other sizes/adhesives available, consult factory

\*\* Liner is standard on all sizes

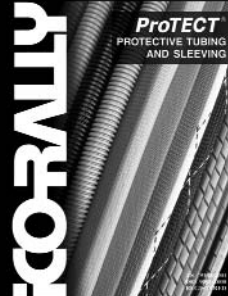
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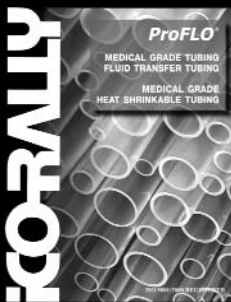
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