



CHR[®]

A Saint-Gobain Brand

Saint-Gobain

Performance Plastics

Pressure-Sensitive

Adhesive Tapes



Pressure-Sensitive Adhesive Tapes

ADHESIVE SYSTEMS

ACRYLIC (A)

Acrylic adhesives perform in continuous operating temperatures from -40°C to $+177^{\circ}\text{C}$. Benefits include exceptional solvent resistance, excellent adhesion to metal, superior weathering and aging characteristics. Acrylics have an excellent shelf life and when exposed to elevated temperatures their ability to wet-out improves thus increasing both adhesion and tack properties. Acrylic adhesives will generally thermoset when exposed to heat. The adhesive will then exhibit increased strength and improved thermal capabilities.

RUBBER (R)

Rubber adhesives impart high tack and shear characteristics. These adhesives perform in continuous operating temperatures from -18°C to $+163^{\circ}\text{C}$. Rubber adhesives can be specially blended to manufacture a broad range of adhesion performance from a low adhesion of 0.3 N/cm to high adhesion of 6.6 N/cm. Most rubber adhesives will thermoset or harden on exposure to heat and remain set regardless of subsequent temperature cycles. Some rubber adhesives are designed to be non-thermosetting at recommended dwell times and temperatures – these are indicated in the tables.

SILICONE (S)

Perfect for extreme temperature applications, silicone adhesives perform in continuous operating temperatures from -73°C to $+260^{\circ}\text{C}$. Silicone based adhesive systems exhibit good chemical resistance, retain electrical properties and remove cleanly with little or no residue.

BACKING SUBSTRATES

FILM-FEP

FEP film is used for applications requiring optical clarity, quick release, and abrasion resistance. FEP film applications include high temperature coil and capacitor wrapping, composite bonding, masking, and conveyor release linings.

FILM-POLYESTER

Polyester films have excellent dimensional stability, high tensile, tear and impact strengths and ultimate elongation up to 120% of its original dimensions. These films exhibit low water absorption and good resistance to oils, greases, strong acids, and organic solvents. They also retain electrical properties, dielectric strength and dielectric constant in continuous operating temperatures from -73°C to 177°C . Applications include transformer and capacitor wrapping, printed circuit board fabrication, splicing tapes, composite bonding protection and low-cost masking.

FILM-POLYIMIDE

Polyimide films are employed because of their extreme heat resistance. Service temperatures range from -73°C to $+260^{\circ}\text{C}$. These flame retardant films exhibit high tensile strength and conformability, good solvent resistance, excellent dielectric strength and good abrasion resistance. Polyimide tape applications include electrical insulation, capacitor, transformer, and coil wrapping, electronic assembly and wave solder protection.

FILM-PTFE

PTFE films provide a conformable release surface and exhibit a remarkably low coefficient of friction and non-stick properties. PTFE films have high temperature resistance and are virtually unaffected by all chemicals. At elevated temperatures, PTFE film retains excellent tensile strength. Continuous service temperatures range from -73°C to $+260^{\circ}\text{C}$. Film applications include high temperature coil and capacitor wrapping, composite bonding, masking and conveyor release linings.

FILM-RULON®

RULON films offer superior abrasion resistance when compared to conventional PTFE films. Service temperatures range from -73°C to $+260^{\circ}\text{C}$. In rotating bearing tests, RULON provided a 500 fold increase in wear resistance over standard PTFE. Applications include bearing liners, chute and guide rail coverings.

FILM-PE UHMW

UHMW polyolefin film tape provides anti-stick and high abrasion resistance properties for application temperatures ranging from -73°C to $+107^{\circ}\text{C}$. Applications include bearings, chute and guide rail coverings.

GLASS-CLOTH

Glass cloth offers excellent abrasion resistance and mechanical properties, as well as high tensile strength and extreme temperature resistance. Service temperatures range from -73°C to $+260^{\circ}\text{C}$. Highly conformable and flexible, glass cloth has the unique ability to absorb insulating varnishes, which makes it an excellent choice in the electrical market. Applications include electrical insulation, coil and motor wrappings and general industrial applications.

GLASS-PTFE

PTFE coated glass fabrics provide dimensional stability, high tensile strength and edge tear. Continuous operating temperatures range from -73°C to $+260^{\circ}\text{C}$ and the coating offers better abrasion resistance than uncoated glass cloth. The PTFE surface offers quick release and chemical resistance characteristics. Anti-static PTFE coated glass yields improved thermal conductivity and static dissipation. Available with silicone or acrylic adhesives, PTFE glass applications include heat sealing, PVCU welding and low friction release surface liners for conveyors.

GLASS-SILICONE

Silicone glass provides temperature resistance from -73 °C to +260 °C and exceptional tensile strength and abrasion resistance. Applications include thermal spray, grit blasting, electrical and thermal insulation gaskets, heat sealing and diaphragms.

GLASS-FOIL

For applications requiring higher tear and tensile strengths, woven glass fabric laminated with aluminium is available. Applications include thermal spray and electrical insulation. Service temperatures range from -73 °C to +260 °C.

FOILS – ALUMINIUM AND COPPER

Aluminium and copper foil tapes offer high conformability, conductivity, and reflectivity at elevated temperatures. Continuous service temperature range from -73 °C to +260 °C. Applications include aircraft repainting, EMI/RFI shielding, and electroplating.

PAPER

Paper tapes are designed to provide high temperature and excellent solvent resistance for wave soldering, printed circuit board masking and hot air levelling applications. Service temperatures range from -73 °C to +260 °C.

Strip-N-Stick® (SILICONE RUBBER)

Strip-N-Stick tape provides all the benefits of silicone rubber in an easy to apply, pressure-sensitive adhesive tape. Available in closed-cell sponge, low-density foam, or solid silicone, these products offer superior service life, excellent conformability and flexibility, low-compression set and high adhesion to a variety of materials. Service temperatures range from -73 °C to +260 °C dependant on the adhesive. Available with silicone or acrylic adhesives, Strip-N-Stick tape is excellent for high and low temperature gasket applications, cushioning, thermal insulation, electrical isolation, and vibration dampening.

RELEASE LINERS

FLUROSILICONE

This release liner incorporates advanced release technology for use with silicone adhesives. As a flat, die-cuttable liner, it has exceptional release properties, making it an ideal choice for small or complex parts.

POLYETHYLENE

These thin release liners not only conform well to tape, but slit and release easily, making them a sensible choice for die-cutting. Available with acrylic or rubber adhesive systems, a smooth blue release liner is standard on most acrylic-adhesive pressure sensitive products.

PVC

A general purpose release liner, PVC conforms well to tape and protects the adhesive during handling. Although these liners have good release properties and slit well, they are generally not used for die-cutting. Only available with silicone adhesive tapes, a yellow liner is standard. Corrugated liners are standard on most PTFE coated fabrics, whilst dimpled liners are used on the majority of thermal spray tapes.

PAPER (COATED)

Paper is the ideal choice for die- and kiss-cutting. They have the advantage of lost cost and excellent release characteristics. Available with silicone rubber and acrylic adhesive systems, these beige release liners are specially treated to ensure excellent release properties.

CUSTOM TAPES

As a materials innovator, Saint-Gobain Performance Plastics specialises in manufacturing unique products to satisfy customer needs. While this catalogue details many of our standard pressure sensitive adhesive tapes, Saint-Gobain also offers custom tapes to meet specific applications or customer requirements.

Part Number	Colour	Adhesive System	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesive Strength	Tensile Strength	Elongation	Dielectric	Insulation Class		Temperature Range	Comments
			mil	mm	mil	mm	mil	mm					N/cm	N/cm		

FILM-FEP

C	Clear	S	2.0	0.051	1.5	0.038	3.5	0.089	2.2	14	275	9.0	155	-73	204	
2355-2	Clear	S	2.0	0.051	1.5	0.038	3.5	0.089	2.2	14	275	9.0	155	-73	204	

FEP PSAT products are supplied self-wound (i.e. no liner) as standard.

FILM-POLYESTER

M50	White	S	1.0	0.025	1.5	0.038	2.5	0.064	2.7	44	100	5.0	130	-73	177	UL Guide OANZ2, File E51201, UL510
M52	Clear	S	1.0	0.025	1.5	0.038	2.5	0.064	3.3	44	100	5.0	130	-73	177	UL Guide OANZ2, File E51201, UL510
M54	Yellow	R	1.0	0.025	1.5	0.038	2.5	0.064	4.9	44	100	5.0	130	-18	163	MIL-I-15126-MFT2.5, UL Guide OANZ2 File E51201, UL 510
M56	Clear	R	1.0	0.025	1.5	0.038	2.5	0.064	4.9	44	100	5.0	130	-18	163	MIL-I-15126-MFT2.5
M57	Yellow	R	2.0	0.051	1.5	0.038	3.5	0.089	5.5	88	120	7.0	130	-18	163	
M60	Clear	A	1.0	0.025	1.5	0.038	2.5	0.064	3.3	44	100	5.0	130	-29	163	UL Guide OANZ2, File E51201, MIL-I-15126-MFT2.5
M64	Yellow	R	1.0	0.025	1.5	0.038	2.5	0.064	5.5	44	100	5.0	130	-18	163	UL Guide OANZ2, File E51201, MIL-I-15126-MFT2.5
M66	Green	S	1.0	0.025	1.5	0.038	2.5	0.064	2.7	44	100	5.0	130	-73	177	
M69	Clear	A/A	1.0	0.025	3.0	0.076	4.0	0.102	3.3	44	100	5.0	130	-29	163	Adhesive both sides - available only with liner
M97	Yellow	A	1.0	0.025	1.5	0.038	2.5	0.064	3.8	44	100	5.0	130	-29	163	MIL-I-15126-MFT2.5 UL Guide OANZ2 File E51201
M98	Blue	S	2.0	0.051	1.8	0.046	3.8	0.097	2.0	88	120	7.0	130	-73	177	
M99	Yellow	A	2.0	0.051	1.5	0.038	3.5	0.089	4.4	88	120	7.0	130	-29	163	
M371H YL	Yellow	A	1.0	0.025	1.5	0.038	2.5	0.064	3.3	44	100	5.0	130	-29	163	UL Flame Retardant, Printable
M705	Black	A	1.0	0.025	1.5	0.038	2.5	0.064	3.3	44	100	5.0	130	-29	163	UL Guide OANZ2, File E51201
M706	White	A	1.0	0.025	1.5	0.038	2.5	0.064	3.3	44	100	5.0	130	-29	163	UL Guide OANZ2, File E51201, UL510
M716	Violet	R	1.0	0.025	1.1	0.028	2.1	0.053	2.0	44	100	5.0	130	-18	163	
M717	Red	S	1.0	0.025	2.8	0.071	3.8	0.097	3.3	44	100	5.0	130	-73	177	
M730	Green	S	1.5	0.038	1.0	0.025	2.5	0.064	2.7	61	100	6.0	130	-73	177	
M734	Orange	R	1.0	0.025	0.6	0.015	1.6	0.041	0.7	44	100	5.0	130	-18	163	
M741	Blue	S	1.0	0.025	2.0	0.051	3.0	0.076	2.7	44	100	5.0	130	-73	177	
M746	Rd/Bl/Cl	S	1.0	0.025	0.8	0.020	1.8	0.046	1.4	44	100	—	130	-73	177	
M751	Yellow	S	1.0	0.025	2.0	0.051	3.0	0.076	2.7	44	100	5.0	130	-73	177	
M758	Black	S	1.0	0.025	1.5	0.038	2.5	0.064	2.7	44	100	5.0	130	-73	177	UL Guide OANZ2, File E51201, UL510
M765	White	A	1.0	0.025	1.5	0.038	2.5	0.064	2.7	44	100	5.0	130	-29	163	UL Guide OANZ2, File E51201, UL510
M783	Pink	R*	2.0	0.051	1.7	0.043	3.7	0.094	3.8	88	120	7.0	130	-18	163	
M787	Clear	R	5.0	0.127	1.5	0.038	6.5	0.165	6.6	175	100	10.0	130	-18	163	
M788	Aqua	R	1.0	0.025	0.5	0.013	1.5	0.038	0.5	44	100	5.0	130	-18	163	
M797	Mustard	R	1.0	0.025	2.0	0.051	3.0	0.076	3.3	44	100	5.0	130	-18	163	
M803	Blue	S	1.0	0.025	2.0	0.051	3.0	0.076	2.7	44	100	5.0	130	-73	177	
M815	Clear	S	1.0	0.025	2.0	0.051	3.0	0.076	3.3	44	100	5.0	130	-73	177	
M823	Blue	S	1.0	0.025	1.8	0.046	2.8	0.071	3.3	44	100	5.0	130	-73	177	Silicone Coating Backing
M824	Blue	S	1.0	0.025	1.5	0.038	2.5	0.064	3.3	44	100	5.0	130	-73	177	
M827	Red	S	1.0	0.025	2.0	0.051	3.0	0.076	3.3	44	100	5.0	130	-73	177	
M832	Blue	S	2.0	0.051	1.5	0.038	3.5	0.089	3.8	88	120	7.0	130	-73	177	
M835	Blue	S	5.0	0.127	1.5	0.038	6.5	0.165	3.3	175	100	10.0	130	-73	177	
M851	Green	R*	1.0	0.025	2.0	0.051	3.0	0.076	1.6	44	100	5.0	130	-18	177	
M852	Green	R*	2.0	0.051	2.0	0.051	4.0	0.102	1.6	88	120	7.0	130	-18	177	
M855	Green	R	5.0	0.127	2.0	0.051	7.0	0.178	0.7	175	100	10.0	130	-18	177	
M887	Emerald	S	2.0	0.051	1.5	0.038	3.5	0.089	4.4	88	120	7.0	130	-51	177	
M897	Olive	R	1.0	0.025	2.0	0.051	3.0	0.076	2.2	44	100	5.0	130	-18	163	

Polyester PSAT products are supplied self-wound (i.e. no liner) as standard unless stated above.

Polyester PSAT products marked with an asterisk are non-thermosetting at recommended dwell times and temperatures.

FILM-POLYIMIDE

2345-1	Amber	S	1.0	0.025	1.5	0.038	2.5	0.064	2.7	53	50	6.5	180	-73	260	UL Guide OANZ2, File E66639, UL510
2345-2	Amber	S	2.0	0.051	1.5	0.038	3.5	0.089	2.7	88	75	10.0	180	-73	260	UL Guide OANZ2, File E66639, UL510
2345-5	Amber	S	5.0	0.127	1.5	0.038	6.5	0.165	2.2	263	75	17.0	180	-73	260	
K104	Amber	S	0.5	0.013	1.0	0.025	1.5	0.038	1.6	18	25	4.0	180	-73	260	
K201	Amber	S	1.0	0.025	1.5	0.038	2.5	0.064	2.7	53	50	N/A	180	-73	260	Masking grade
K202	Amber	S	2.0	0.051	1.5	0.038	3.5	0.089	2.7	88	75	N/A	180	-73	260	Masking grade
K250	Amber	S	1.0	0.025	1.5	0.038	2.5	0.064	2.2	53	50	7.0	180	-73	260	UL Guide OANZ2, File E51201, UL510
K350	Amber	S	2.0	0.051	1.5	0.038	3.5	0.089	2.2	88	75	10.0	180	-73	260	UL Guide OANZ2, File E51201, UL510
K102	Amber	A	1.0	0.025	1.5	0.038	2.5	0.064	3.3	53	50	7.0	155	-29	177	
K103	Amber	A	1.0	0.025	1.5	0.038	2.5	0.064	2.7	53	50	7.0	155	-29	177	UL Guide OANZ2, File E51201, UL510
K109	Amber	A	2.0	0.051	1.5	0.038	3.5	0.089	3.3	88	75	10.0	155	-29	177	
K290ESD	Amber	S	1.0	0.025	1.5	0.038	2.5	0.064	2.2	53	50	7.0	180	-73	260	
K100	Amber	S/S	1.0	0.025	3.5	0.089	4.5	0.114	2.2	53	50	7.5	180	-73	260	Adhesive both sides - available only with liner

Polyimide PSAT products are supplied self-wound (i.e. no liner) as standard unless stated above.

Part Number	Colour	Adhesive System	Backing Thickness		Adhesive Thickness		Total Thickness	Adhesive Strength	Tensile Strength	Elongation	Dielectric	Insulation Class		Temperature Range	Comments
			mil / mm	mil / mm	mil / mm	N/cm	N/cm					%	kV		

FILM PTFE

Skived																
2045-2	Gray	S	2.0	0.051	1.5	0.038	3.5	0.089	3.3	26.0	325	7.5	180	-73	260	UL Guide OANZ2, File E66639, UL510
2045-3	Gray	S	3.0	0.076	1.5	0.038	4.5	0.114	3.8	35.0	350	9.5	180	-73	260	UL Guide OANZ2, File E66639, UL510
2045-5	Gray	S	5.0	0.127	1.5	0.038	6.5	0.165	4.4	53.1	400	13.0	180	-73	260	UL Guide OANZ2, File E66639, UL510
2045-10	Gray	S	10.0	0.254	1.5	0.038	11.5	0.292	5.5	96.4	450	19.5	180	-73	260	
2042-2	Gray	A	2.0	0.051	1.5	0.038	3.5	0.089	2.7	26.3	325	7.5	130	-29	177	
2042-3	Gray	A	3.0	0.076	1.5	0.038	4.5	0.114	3.3	35.0	350	9.5	130	-29	177	
2042-5	Gray	A	5.0	0.127	1.5	0.038	6.5	0.165	3.8	52.6	400	13.0	130	-29	177	
2042-10	Gray	A	10.0	0.254	1.5	0.038	11.5	0.292	6.0	96.4	450	19.5	130	-29	177	
TV350	White	S	2.0	0.051	1.5	0.038	3.5	0.089	2.7	26.3	250	7.8	180	-73	260	MIL-I-23594C Type 1, Class 1, A-A-59474
T	White	S	3.0	0.076	3.0	0.076	6.0	0.152	3.3	35.0	275	10.0	180	-73	260	MIL-I-23594C Type 1, Class 2, A-A-59474
TV	White	S	5.0	0.127	1.5	0.038	6.5	0.165	3.8	52.6	275	13.0	180	-73	260	MIL-I-23594C Type 1, Class 4, A-A-59474
TH	White	S	10.0	0.254	2.5	0.063	12.5	0.318	6.0	105.1	300	18.0	180	-73	260	

Skived PTFE products above are supplied self-wound (i.e. no liner) as standard.

Skived - with liner

SPSA - 3 S	Gray	S	3.1	0.080	1.8	0.045	4.9	0.125	5.4	35.0	300	-	-	-73	260	
SPSA - 5 S	Gray	S	5.1	0.130	1.8	0.045	6.9	0.175	5.6	53.0	375	-	-	-73	260	
SPSA - 10 S	Gray	S	9.8	0.250	1.8	0.045	11.6	0.295	5.9	96.0	400	-	-	-73	260	
SPSA - 20 S	Gray	S	19.7	0.500	1.8	0.045	21.5	0.545	6.8	184.0	450	-	-	-73	260	

High-Modulus

2253-2	Gray	A	2.0	0.051	1.5	0.038	3.5	0.089	3.3	52.6	150	9.5	130	-40	177	
2254-2	Gray	S	2.0	0.051	1.5	0.038	3.5	0.089	3.8	52.6	150	9.0	150	-73	260	
2255-2	Gray	S	2.0	0.051	1.5	0.038	3.5	0.089	3.3	52.6	150	9.0	180	-73	260	MIL-I-23594C Type 1, Class 1, A-A-59474
2255-3	Gray	S	3.0	0.076	1.5	0.038	4.5	0.114	3.8	78.8	175	11.0	180	-73	260	MIL-I-23594C Type 1, Class 2, A-A-59474
2255-5	Gray	S	5.0	0.127	1.5	0.038	6.5	0.165	4.4	105.1	200	15.0	180	-73	260	MIL-I-23594C Type 1, Class 4, A-A-59474
2255-6	Gray	S	6.0	0.152	1.5	0.038	7.5	0.191	4.9	113.9	200	18.0	-	-73	260	

2255 product series also available in 0.10 mm/0.17 mm and 0.25 mm backing thickness, please consult factory.

HM350	White	S	2.0	0.051	1.5	0.038	3.5	0.089	2.7	43.8	150	8.0	180	-73	260	MIL-I-23594C Type 1, Class 4, A-A-59474, UL Guide OANZ2, E66639, UL510
HM426	Gray	S	2.0	0.051	1.5	0.038	3.5	0.089	2.7	43.8	150	8.0	180	-73	260	
HM430	White	A	2.0	0.051	1.5	0.038	3.5	0.089	2.7	43.8	150	8.0	155	-29	177	
HM650	White	S	5.0	0.127	1.5	0.038	6.5	0.165	3.3	78.8	200	13.5	180	-73	260	

Extruded

2265-2	Gray	S	2.0	0.051	1.5	0.038	3.5	0.089	3.8	43.8	200	8.0	-	-73	260	
2265-5	Gray	S	5.0	0.127	2.0	0.051	7.0	0.178	4.9	113.9	250	15.0	-	-73	260	
2275-2	Rust	S	2.3	0.058	1.9	0.048	4.2	0.107	4.4	78.8	110	11.0	-	-73	260	
2283-2	Rust	A	2.0	0.051	2.0	0.051	4.0	0.102	3.3	52.6	150	10.0	-	-40	177	
2285-2	Rust	S	2.0	0.051	1.5	0.038	3.5	0.089	3.3	52.6	175	9.0	-	-73	260	
2285-5	Rust	S	5.0	0.127	1.5	0.038	6.5	0.165	4.4	131.4	200	16.0	-	-73	260	

All high modulus and extruded tapes above are supplied self-wound (i.e. no liner) as standard.

FILM-RULON®

RU	Rose	S	8.0	0.203	2.0	0.051	10.0	0.254	2.7	35.0	225	-	155	-73	260	
RU101	Rose	A	8.0	0.203	2.3	0.058	10.3	0.262	2.2	35.0	225	-	155	-29	177	

RULON tapes are supplied self-wound (i.e. no liner) as standard.

FILM-UHMW

2300-5R	Natural	R	5.0	0.127	2.0	0.051	7.0	0.178	6.0	70.1	350	-	-	-18	107	
2300-10R	Natural	R	10.0	0.254	2.0	0.051	12.0	0.305	6.0	140.2	425	-	-	-18	107	
2302-3R	Natural	A	3.0	0.076	1.5	0.038	4.5	0.114	3.8	35.0	300	-	-	-40	107	
2302-5R	Natural	A	5.0	0.127	1.5	0.038	6.5	0.165	4.9	70.1	350	-	-	-40	107	
2302-10R	Natural	A	10.0	0.254	1.5	0.038	11.5	0.292	5.5	140.2	425	-	-	-40	107	
2302-20R	Natural	A	20.0	0.508	1.5	0.038	21.5	0.546	5.5	254.0	500	-	-	-40	107	

A blue PE liner is standard on all UHMW tapes. Call for availability of black film.

GLASS-CLOTH

2905-7R	White	S/S	4.5	0.114	2.5	0.064	7.0	0.178	4.4	306.6	<10	-	180	-73	260	Available only with liner. UL Guide OANZ2, File E66639, UL510
2915-10R	White	S/S	6.5	0.165	4.0	0.102	10.5	0.267	2.7	394.2	<10	8.0	180	-73	260	Available only with liner
2915-7	White	S	4.5	0.114	2.5	0.064	7.0	0.178	4.4	280.3	-	4.5	180	-73	260	MIL-I-19166C, UL Guide OANZ2, File E66639, UL510
2915-10	White	S	5.5	0.140	4.5	0.114	10.0	0.254	4.4	306.6	-	5.0	180	-73	260	
2916-7	White	S	4.5	0.114	2.5	0.064	7.0	0.178	4.9	289.1	-	4.3	-	-73	260	
G551	White	R	4.5	0.114	2.5	0.064	7.0	0.178	5.5	262.8	<5	3.5	130	-18	177	UL Guide OANZ2, File E51201
G561	White	S	4.5	0.114	2.5	0.064	7.0	0.178	3.8	262.8	<5	3.5	180	-73	260	MIL-I-19166C-7MIL-QPL
G565	White	S	4.5	0.114	2.5	0.064	7.0	0.178	4.4	262.8	<5	3.5	200	-73	260	UL Guide OANZ2, File E51201, UL510
G569	White	A	4.5	0.114	2.5	0.064	7.0	0.178	3.3	262.8	<5	3.0	155	-29	177	UL Guide OANZ2, File E51201

Glass cloth products are supplied self-wound (i.e. no liner) unless stated above.

Part Number	Colour	Adhesive System	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesive Strength	Tensile Strength	Elongation	Dielectric	Insulation Class		Temperature Range	Comments
			mil / mm	mil / mm	mil / mm	mil / mm	N/cm	N/cm					%	kV		

GLASS-FOIL

06004	Alum.	S	4.5	0.114	3.5	0.089	8.0	0.203	6.6	271.6	-	-	-	-73	260	
06005	Alum.	S	4.5	0.114	3.5	0.089	8.0	0.203	7.7	262.8	7	-	-	-73	260	
2925-7	Alum.	S	2.5	0.064	4.5	0.114	7.0	0.178	6.6	227.8	7	-	-	-73	260	
2925-11	Alum.	S	7.5	0.191	3.5	0.089	11.0	0.279	8.2	350.4	7	-	-	-73	260	
2995-11R	Alum.	S	7.0	0.178	5.0	0.127	12.0	0.305	4.9	262.8	5	-	-	-73	260	

Glass foil products are supplied self-wound (i.e. no liner) unless stated above.

GLASS-SILICONE

23816	White	S	8.0	0.203	4.0	0.102	12.0	0.305	5.5	175.2	-	7.0	-	-73	260	
2955-8R	White	S	6.4	0.162	3.1	0.079	9.5	0.241	4.3	250.2	5	-	-	-73	260	
2975-8R	White	S	7.0	0.178	3.5	0.089	10.5	0.267	5.5	262.8	5	7.0	-	-73	260	
H7575	White	S	17.5	0.445	3.5	0.089	21.0	0.534	5.5	315.4	-	-	-	-73	260	
H7525	White	S	15.0	0.380	2.5	0.064	17.5	0.445	5.5	219.0	-	-	-	-73	260	

For 2368, 2965-8R, 2975 and H7575, a yellow-dimpled PVC liner is standard. For H7525, a Kraft paper liner is standard. 2955-8R employs a yellow corrugated liner.

GLASS-PTFE

CHEMSTIK Primary Series

700-3 S	Natural	S	2.8	0.070	1.8	0.045	4.6	0.115	5.3	180.2	<5	-	-	-73	260	21CFR 177.1550 compliant. Acrylic adhesive (700-3 A) and self-wound options.
700-5 S	Natural	S	4.7	0.120	1.8	0.045	6.5	0.165	6.2	290.3	<5	-	-	-73	260	21CFR 177.1550 compliant. Acrylic adhesive (700-3 A) and self-wound options.
700-6 G S	Natural	S	5.3	0.135	1.8	0.045	7.1	0.180	6.4	290.3	<5	-	-	-73	260	21CFR 177.1550 compliant. Self-wound option.
700-10 S	Natural	S	8.9	0.225	1.8	0.045	10.7	0.270	7.5	520.5	<5	-	-	-73	260	Acrylic adhesive (700-10 A) and self-wound options.
700-14 S	Natural	S	12.4	0.315	1.8	0.045	14.2	0.360	7.9	660.6	<5	-	-	-73	260	21CFR 177.1550 compliant
700-5 DK S	Natural	S	4.7	0.120	1.8	0.045	6.5	0.165	6.2	290.3	<5	-	-	-73	260	21CFR 177.1550 compliant
700-6 G DK S	Natural	S	5.3	0.135	1.8	0.045	7.1	0.180	6.2	290.3	<5	-	-	-73	260	21CFR 177.1550 compliant
700-5 G S	Natural	S	4.9	0.125	1.8	0.045	6.7	0.170	7.5	300.3	<5	-	-	-73	260	21CFR 177.1550 compliant
700-6 GX S	Natural	S	5.5	0.140	1.8	0.045	7.3	0.185	6.3	310.3	<5	-	-	-73	260	21CFR 177.1550 compliant

CHEMSTIK Premium Series

100-3 S	Natural	S	3.0	0.075	1.8	0.045	4.8	0.120	5.2	180.2	<5	-	-	-73	260	21CFR 177.1550 compliant
100-5 S	Natural	S	5.0	0.130	1.8	0.045	6.8	0.175	6.4	300.3	<5	-	-	-73	260	21CFR 177.1550 compliant. Acrylic adhesive option (100-5 A)
100-6 S	Natural	S	6.0	0.150	1.8	0.045	7.8	0.195	6.3	310.3	<5	-	-	-73	260	21CFR 177.1550 compliant. Acrylic adhesive option (100-6 A)
100-10 S	Natural	S	10.0	0.255	1.8	0.045	11.8	0.300	7.4	450.4	<5	-	-	-73	260	21CFR 177.1550 compliant

CHEMSTIK PAK Series

700-5 PAK S	Natural	S	4.1	0.105	1.8	0.045	5.9	0.150	5.6	230.2	<5	-	-	-73	260	21CFR 177.1550 compliant
700-6 G PAK S	Natural	S	4.7	0.120	1.8	0.045	6.5	0.165	5.0	180.2	<5	-	-	-73	260	21CFR 177.1550 compliant
700-10 PAK S	Natural	S	8.7	0.220	1.8	0.045	10.5	0.265	6.0	450.4	<5	-	-	-73	260	21CFR 177.1550 compliant

CHEMSTIK Standard Series

200-5 S	Natural	S	4.5	0.115	1.8	0.045	6.3	0.160	6.2	360.4	<5	-	-	-73	260	21CFR 177.1550 compliant
200-6 S	Natural	S	5.5	0.140	1.8	0.045	7.3	0.185	6.4	350.3	<5	-	-	-73	260	21CFR 177.1550 compliant
200-10 EX S	Natural	S	9.3	0.235	1.8	0.045	11.1	0.280	7.5	540.5	<5	-	-	-73	260	21CFR 177.1550 compliant
200-10 S	Natural	S	9.3	0.235	1.8	0.045	11.1	0.280	7.5	420.4	<5	-	-	-73	260	21CFR 177.1550 compliant

CHEMSTIK Premium Anti-Static Series

100-5 AS S	Black	S	5.1	0.130	1.8	0.045	6.9	0.175	6.4	330.3	<5	-	-	-73	260	
100-6 AS S	Black	S	5.9	0.150	1.8	0.045	7.7	0.195	6.3	300.3	<5	-	-	-73	260	
100-10 AS S	Black	S	10.0	0.255	1.8	0.045	11.8	0.300	7.4	450.4	<5	-	-	-73	260	

CHEMSTIK Primary Anti-Static Series

700-3 AS S	Black	S	2.8	0.070	1.8	0.045	4.6	0.115	5.3	150.1	<5	-	-	-73	260	21CFR 177.1550 compliant
700-5 AS S	Black	S	4.7	0.120	1.8	0.045	6.5	0.165	6.2	300.3	<5	-	-	-73	260	21CFR 177.1550 compliant
700-6 G AS S	Black	S	5.3	0.135	1.8	0.045	7.1	0.180	6.4	300.3	<5	-	-	-73	260	21CFR 177.1550 compliant
700-10 AS S	Black	S	8.9	0.225	1.8	0.045	10.7	0.270	7.5	520.5	<5	-	-	-73	260	21CFR 177.1550 compliant

Anti-Static products have surface resistivity $<1 \times 10^6 \Omega / \text{Square}$

CHEMSTIK Economy Series

800-5 S	Natural	S	4.1	0.105	1.8	0.045	5.9	0.150	6.0	330.3	<5	-	-	-73	260	21CFR 177.1550 compliant
800-10 S	Natural	S	8.1	0.205	1.8	0.045	9.9	0.250	7.8	450.4	<5	-	-	-73	260	21CFR 177.1550 compliant

Certain CHEMSTIK products are only available on a minimum order basis – please check before placing orders. Yellow corrugated liner is standard on CHEMSTIK products. Self-wound (i.e. no liner) option is available as indicated.

Part Number	Colour	Adhesive System	Backing Thickness		Adhesive Thickness		Total Thickness		Adhesive Strength	Tensile Strength	Elongation	Dielectric	Insulation Class		Temperature Range	Comments
			mil / mm	mil / mm	mil / mm	mil / mm	N/cm	N/cm					°C	Min °C		

TYGATAPE Series – Self-Wound

TT2-03A	Natural	S	3.1	0.080	1.8	0.045	4.9	0.125	6.1	176.6	<5	–	–	-73	260	Pre-slit, 10 m rolls, 32 mm ID cores, individually boxed
TT2-05A	Natural	S	4.9	0.125	1.8	0.045	6.7	0.170	6.1	294.3	<5	–	–	-73	260	Pre-slit, 10 m rolls, 32 mm ID cores, individually boxed

CHEMLAM

PSA 6 GX S	Natural	S	6.3	0.160	2.0	0.050	8.3	0.210	5.4	270	<5	–	–	-73	260	21CFR 177.1550 compliant
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CHEMLAM Copper

SGC6-04(R)	Copper	S	4.2	0.107	2.0	0.051	6.2	0.157	4.9	175.2	<5	–	–	-73	260	21CFR 177.1550 compliant
SGC6-06(R)	Copper	S	5.9	0.150	2.0	0.051	7.9	0.201	5.5	219.0	<5	–	–	-73	260	21CFR 177.1550 compliant
SGC6-10(R)	Copper	S	9.5	0.241	2.0	0.051	11.5	0.292	6.0	438.0	<5	–	–	-73	260	21CFR 177.1550 compliant

FOIL-ALUMINIUM

A602	Alum.	S	2.0	0.051	2.0	0.051	4.0	0.102	6.6	35.0	8	–	–	-73	260	
A603	Alum.	A	2.0	0.051	2.0	0.051	4.0	0.102	6.0	35.0	8	–	–	-40	121	
A662	Alum.	A	3.0	0.076	2.0	0.051	5.0	0.127	7.1	78.8	9	–	–	-40	121	MIL-T-808 Specialty Shielding and Protection. UL Guide OANZZ, File E51201
26020	Alum.	S	5.0	0.127	3.0	0.076	8.0	0.203	10.4	140.2	10	–	–	-73	260	

FOIL-COPPER

C661	Copper	A	1.5	0.038	2.0	0.051	3.5	0.089	8.8	122.6	<16	–	–	-40	121	UL Guide OANZZ, File E51201, UL510
C665	Copper	A	1.5	0.038	2.0	0.051	3.5	0.089	3.8	122.6	<16	–	–	-40	121	UL Guide OANZZ, File E51201, UL510 Conductive adhesive

Aluminium and copper foil products above are self-wound (i.e. no liner) as standard.

FOIL-PTFE/ALUMINIUM (TRIFOIL™)

T303	Green	–	3.5	0.089	–	–	3.5	0.089	–	87.6	15	–	–	-73	260	
T603	Green	A	3.5	0.089	1.5	0.038	5.0	0.127	7.7	87.6	15	–	–	-40	121	
T903	Green	S	3.5	0.089	1.5	0.038	5.0	0.127	7.7	87.6	15	–	–	-73	260	

PAPER

C265	White	S	9.0	0.229	1.5	0.038	10.5	0.267	3.3	–	–	–	–	–	–	Hot Air Levelling Tape
C680	Natural	S	4.0	0.102	2.0	0.051	6.0	0.152	3.3	43.8	5	–	155	-29	154	
C663	Red	S	6.5	0.165	3.0	0.076	9.5	0.241	6.6	–	–	–	–	-73	260	

Paper products are self-wound (i.e. no liner) as standard.

Strip-N-Stick® (SILICONE RUBBER)

100S	Or./Tan	S							1.6	0.45	150	–	180	-73	260		
200A	Or./Tan	A							3.3	0.45	150	–	155	-29	177		
300AR	Blue	A	SEE "CHART 1 THICKNESS" BELOW							3.3	1.24	10	–	155	-29	177	Fiberglass reinforced
440S	Gray	S							1.6	4.83	650	–	180	-73	260		
440A	Gray	A							3.3	4.83	650	–	155	-29	177		
512AF	Gray	A							3.3	0.14	75	–	155	-29	177	Backing conforms to UL 94 VO	

Tensile strength figures for Strip-N-Stick products are in MPa.

Chart 1 Thickness – Strip-N-Stick

		440A 440S	100S 200A 300AR	512AF	Roll Length (m)
0.79 mm	1/32"	X			18.2
1.59 mm	1/16"		X	X	9.1
2.38 mm	3/32"		X	X	9.1
3.18 mm	1/8"		X	X	9.1
4.76 mm	3/16"		X	X	4.6
6.35 mm	1/4"			X	4.6

All Strip-N-Stick products are available with a liner as standard.

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