



INDUSTRIAL TAPE

PRODUCT GUIDE



POLYESTER FILM TAPES

Ideal Tape's complete line of pressure-sensitive polyester film tapes are backed by more than 100 years of coating experience. These products are widely used for web and film splicing, electronic component assembly, PCB/powder coat masking, composite bonding, surface protection, and as an electrical or thermal insulator.



Silicone Adhesives

Product	Color	Backing/ Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/25 mm)	Tensile Strength lbs./in. (N/25 mm)	Elongation	Description	→
9190	Blue	1.0 (0.03)/ 3.0 (0.08)	25.0 (6.8)	25.0 (109.0)	100%	High performance adhesive system designed for printed circuit board protection and high temperature masking.	
9148	Dark Blue	1.0 (0.03)/ 2.5 (0.06)	30.0 (8.2)	25.0 (109.0)	100%	Performance design for composite bonding and high temperature masking applications.	→
9248	Dark Blue	2.0 (0.05)/ 3.5 (0.09)	40.0 (11.0)	50.0 (219.0)	120%	Performance design for composite bonding and high temperature masking applications.	→
9548	Dark Blue	5.0 (0.13)/ 6.5 (0.17)	40.0 (11.0)	125.0 (547.0)	120%	Performance design for composite bonding and high temperature masking applications.	→
9185	Green	1.0 (0.03)/ 4.0 (0.10)	25.0 (6.8)	25.0 (109.0)	100%	High performance adhesive system designed for printed circuit board protection and high temperature masking.	
9180	Red	1.0 (0.03)/ 4.0 (0.10)	35.0 (9.6)	25.0 (109.0)	100%	High performance adhesive system designed for printed circuit board protection and high temperature masking.	
9210	Violet	2.0 (0.05)/ 3.5 (0.09)	40.0 (11.0)	50.0 (219.0)	120%	Temporary protection of production materials, parts, and assemblies with pressure sensitive tape. Boeing Approved; BAC 5034.	→

Rubber Adhesive

Product	Color	Backing/ Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/25 mm)	Tensile Strength lbs./in. (N/25 mm)	Elongation	Description	→
702	Clear	2.0 (0.05)/ 3.5 (0.09)	45.0 (12.3)	50.0 (219.0)	100%	Multipurpose product suitable for a variety of industrial and aerospace applications.	→

ALUMINUM FOIL TAPES

When maximum resistance to air pressure, moisture, and radiant heat (UV) is required, nothing outperforms Ideal Tape's wide variety of aluminum foil backings. Common applications include heat shielding, paint stripping/refinishing, as well as the sealing of commercial/industrial HVAC and Insulation systems.



Specialty Applications

Product	Color	Adhesive System	Backing/ Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/25 mm)	Tensile Strength lbs./in. (N/25 mm)	Elongation	Description	→
489 Self Wound	Silver	Acrylic	3.0 (0.08)/ 4.8 (0.12)	75.0 (20.5)	29.0 (127.0)	5%	Multipurpose, linerless aluminum foil tape. UL 723. Boeing approval; BAC 5034 - 4.	→
489L	Silver	Acrylic	3.0 (0.08)/ 4.8 (0.12)	75.0 (20.5)	29.0 (127.0)	5%	Linerless version of 489.	

General Purpose

Product	Color	Adhesive System	Backing/ Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/25 mm)	Tensile Strength lbs./in. (N/25 mm)	Elongation	Description
488	Silver	Rubber	2.0 (0.05)/ 3.5 (0.09)	90.0 (25.0)	20.0 (88.0)	3%	Performance aluminum coated with high tack rubber adhesive. Fast, permanent bonds.
488S	Silver	Rubber	1.25 (0.03)/ 2.8 (0.07)	90.0 (25.0)	14.0 (61.0)	3%	Standard grade aluminum foil with high tack rubber adhesive.
788	Silver	Acrylic	2.0 (0.05)/ 3.5 (0.09)	90.0 (25.0)	20.0 (88.0)	3%	Aluminum foil coated with performance acrylic adhesive designed for use in a wide temperature range.
788N	Silver	Acrylic	2.0 (0.05)/ 3.5 (0.09)	90.0 (25.0)	14.0 (61.0)	3%	Specialized version of 788 made with a liner suitable for die-cutting

AEROSPACE TAPES

Engineered and approved to meet the most stringent industry specifications, Ideal Tape's pressure-sensitive aerospace products feature a variety of advanced adhesive formulations and backings to handle composite bonding, high temperature masking, and aircraft refinishing applications.

Product	Color	Adhesive System	Backing/ Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/25 mm)	Tensile Strength lbs./in. (N/25 mm)	Elongation	Description	Boeing Specs
9148	Dark Blue	Silicone	1.0 (0.03)/ 2.5 (0.06)	30.0 (8.2)	23.0 (101.0)	100%	Performance design for composite bonding and high temperature masking applications.	
9248	Dark Blue	Silicone	2.0 (0.05)/ 3.5 (0.09)	40.0 (11.0)	50.0 (219.0)	100%	Performance design for composite bonding and high temperature masking applications.	
9548	Dark Blue	Silicone	5.0 (0.13)/ 6.5 (0.17)	40.0 (11.0)	125.0 (547.0)	120%	Performance design for composite bonding and high temperature masking applications.	
9210	Violet	Silicone	2.0 (0.05)/ 3.5 (0.09)	40.0 (11.0)	50.0 (219.0)	100%	Temporary protection of production materials, parts, and assemblies.	BAC 5034
702	Clear	Rubber	2.0 (0.05)/ 3.5 (0.09)	45.0 (12.3)	50.0 (219.0)	100%	Multipurpose product suitable for a variety of bundling and hold-down aerospace applications.	BAC 5317 BAC 5578 BAC 5034
489	Silver	Acrylic	3.0 (0.08)/ 4.8 (0.12)	75.0 (20.5)	29.0 (127.0)	5%	Multipurpose, linerless aluminum foil tape. UL 723.	BAC 5034

FABRIC AND DOUBLE-SIDED TAPE

Product	Color	Adhesive System	Backing/ Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/25 mm)	Tensile Strength lbs./in. (N/25 mm)	Elongation	Description	→
888 Double Coated Polyester	Clear	Acrylic Thermosetting	0.5 (0.01)/ 3.75 (0.10)	50.0 (13.7)	18.0 (79.0)	5%	High tack adhesive system is UV and chemical resistant. Easy to use, fast, secure, and bonds to a variety of surfaces.	

POLYIMIDE TAPE

Engineered and approved to meet the most stringent industry specifications, Ideal Tape's pressure-sensitive aerospace products feature a variety of advanced adhesive formulations and backings to handle composite bonding, high temperature masking, and aircraft refinishing applications.

Product	Color	Adhesive System	Backing/ Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/25 mm)	Tensile Strength lbs./in. (N/25 mm)	Elongation	Description
IT-7170	Amber	Silicone	1.0 (0.03)/ 2.5 (0.06)	20.0 (5.5)	35.0 (153.0)	50%	High temperature silicone adhesive and puncture resistance. Highly conformable and withstands temperatures up to 180°C.



ELECTRICAL INSULATION TAPES

THERM-X[®]

UL FILE NO. E-82910

POLYESTER TAPE

Product	Color	Adhesive System	Backing/ Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/25 mm)	Dielectric Breakdown (Volts)	Tensile Strength lbs./in. (N/25.4 mm)	Elongation	Description
IT-702	Clear	Rubber Thermosetting	2.0 (0.05)/ 3.5 (0.09)	45.0 (12.3)	5,000	50.0 (219.0)	100%	Designed for use in a range of insulation applications on wound coils, connections, and crossovers.

FABRIC TAPE

Product	Color	Adhesive System	Backing/ Total Thickness mils (mm)	Adhesion to Steel oz./in. (N/25 mm)	Dielectric Breakdown (Volts)	Tensile Strength lbs./in. (N/25.4 mm)	Elongation	Description
IT-7300 Fiberglass	White	Silicone Thermosetting	5.0 (0.13)/ 7.0 (0.18)	40.0 (10.9)	3,000	170.0 (744.0)	8%	Glass cloth with performance high temperature silicone adhesive system. Delivers high heat performance and resists flapping and contamination from varnish chemicals or solvents.

IDEAL TAPE WORLDWIDE LOCATIONS

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All product properties are measured in accordance with Pressure Sensitive Tape Council and/or ASTM test methods. The physical properties listed in this catalog are typical values and are not to be construed as specifications. Our suggestions and recommendations for use are based on tests we believe to be reliable. However, the purchaser must determine the suitability of the product for his intended use. Ideal Tape Co., Inc. assumes no liability for claims beyond the replacement value of our product proved to be defective. 05/2026