



# 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/<br>Total<br>Thickness<br>mils (mm) | Adhesion<br>to Steel<br>oz./in.<br>(N/25 mm) | Tensile<br>Strength<br>lbs./in.<br>(N/25 mm) | Elongation | Description                                                                                                                  | ✈ |
|---------|--------|---------------------------------------------|----------------------------------------------|----------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------|---|
| 9190    | Blue   | 1.0 (0.03)/<br>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    | Blue   | 1.0 (0.03)/<br>2.5 (0.06)                   | 30.0 (8.2)                                   | 23.0 (101.0)                                 | 100%       | Performance design for composite bonding and high temperature masking applications.                                          | ✈ |
| 9248    | Blue   | 2.0 (0.05)/<br>3.5 (0.09)                   | 40.0 (11.0)                                  | 50.0 (219.0)                                 | 100%       | Performance design for composite bonding and high temperature masking applications.                                          | ✈ |
| 9548    | Blue   | 5.0 (0.13)/<br>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)/<br>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)/<br>4.0 (0.10)                   | 35.0 (9.6)                                   | 23.0 (101.0)                                 | 100%       | High performance adhesive system designed for printed circuit board protection and high temperature masking.                 |   |
| 9210    | Violet | 2.0 (0.05)/<br>3.5 (0.09)                   | 40.0 (11.0)                                  | 50.0 (219.0)                                 | 100%       | Temporary protection of production materials, parts, and assemblies with pressure sensitive tape. Boeing Approved; BAC 5034. | ✈ |

## Rubber Adhesive

| Product | Color | Backing/<br>Total<br>Thickness<br>mils (mm) | Adhesion<br>to Steel<br>oz./in.<br>(N/25 mm) | Tensile<br>Strength<br>lbs./in.<br>(N/25 mm) | Elongation | Description                                                                           | ✈ |
|---------|-------|---------------------------------------------|----------------------------------------------|----------------------------------------------|------------|---------------------------------------------------------------------------------------|---|
| 702     | Clear | 2.0 (0.05)/<br>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/<br>Total<br>Thickness<br>mils (mm) | Adhesion to<br>Steel oz./in.<br>(N/25 mm) | Tensile<br>Strength<br>lbs./in.<br>(N/25 mm) | Elongation | Description                                                                        | → |
|-------------------|--------|-----------------|---------------------------------------------|-------------------------------------------|----------------------------------------------|------------|------------------------------------------------------------------------------------|---|
| 489 Self<br>Wound | Silver | Acrylic         | 3.0 (0.08)/<br>4.8 (0.12)                   | 45 oz/in<br>(12.3 N/25 mm)                | 29.0 (127.0)                                 | 5%         | Multipurpose, linerless aluminum foil tape. UL 723. Boeing approval; BAC 5034 - 4. | → |
| 489L              | Silver | Acrylic         | 3.0 (0.08)/<br>4.8 (0.12)                   | 45 oz/in<br>(12.3 N/25 mm)                | 29.0 (127.0)                                 | 5%         | Linerless version of 489.                                                          |   |

## General Purpose

| Product | Color  | Adhesive System | Backing/<br>Total<br>Thickness<br>mils (mm) | Adhesion to<br>Steel<br>oz./in.<br>(N/25 mm) | Tensile<br>Strength<br>lbs./in.<br>(N/25 mm) | Elongation | Description                                                                                          |
|---------|--------|-----------------|---------------------------------------------|----------------------------------------------|----------------------------------------------|------------|------------------------------------------------------------------------------------------------------|
| 488     | Silver | Rubber          | 2.0 (0.05)/<br>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)/<br>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)/<br>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)/<br>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/<br>Total<br>Thickness<br>mils (mm) | Adhesion<br>to Steel<br>oz./in.<br>(N/25 mm) | Tensile<br>Strength<br>lbs./in.<br>(N/25 mm) | Elongation | Description                                                                                   | Boeing<br>Specs                  |
|---------|-----------|-----------------|---------------------------------------------|----------------------------------------------|----------------------------------------------|------------|-----------------------------------------------------------------------------------------------|----------------------------------|
| 9148    | Dark Blue | Silicone        | 1.0 (0.03)/<br>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)/<br>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)/<br>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)/<br>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)/<br>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<br>BAC 5578<br>BAC 5034 |
| 489     | Silver    | Acrylic         | 3.0 (0.08)/<br>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/<br>Total<br>Thickness<br>mils (mm) | Adhesion<br>to Steel<br>oz./in.<br>(N/25 mm) | Tensile<br>Strength<br>lbs./in.<br>(N/25 mm) | Elongation | Description                                                                                                            | → |
|--------------------------------------|-------|--------------------------|---------------------------------------------|----------------------------------------------|----------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------|---|
| 888<br>Double<br>Coated<br>Polyester | Clear | Acrylic<br>Thermosetting | 1.6 (0.04)                                  | 50.0 (13.7)                                  | 20.0 (88.0)                                  | 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/<br>Total<br>Thickness<br>mils (mm) | Adhesion to<br>Steel oz./in.<br>(N/25 mm) | Tensile<br>Strength<br>lbs./in.<br>(N/25 mm) | Elongation | Description                                                                                                             |
|---------|-------|-----------------|---------------------------------------------|-------------------------------------------|----------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------|
| IT-7170 | Amber | Silicone        | 1.0 (0.03)/<br>2.5 (0.06)                   | 26.0 (7.1)                                | 32.0 (153.0)                                 | 50%        | High temperature silicone adhesive and puncture resistance. Highly conformable and withstands temperatures up to 180°C. |



## ELECTRICAL INSULATION TAPES

### POLYESTER TAPE

**THERM-X**<sup>®</sup>  
UL FILE NO. E-82910

| Product | Color | Adhesive System         | Backing/<br>Total<br>Thickness<br>mils (mm) | Adhesion to<br>Steel<br>oz./in.<br>(N/25 mm) | Dielectric<br>Breakdown<br>(Volts) | Tensile<br>Strength<br>lbs./in.<br>(N/25.4 mm) | Elongation | Description                                                                                         |
|---------|-------|-------------------------|---------------------------------------------|----------------------------------------------|------------------------------------|------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------|
| IT-702  | Clear | Rubber<br>Thermosetting | 2.0 (0.05)/<br>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/<br>Total<br>Thickness<br>mils (mm) | Adhesion to<br>Steel<br>oz./in.<br>(N/25 mm) | Dielectric<br>Breakdown<br>(Volts) | Tensile<br>Strength<br>lbs./in.<br>(N/25.4 mm) | Elongation | Description                                                                                                                                                                       |
|-----------------------|-------|---------------------------|---------------------------------------------|----------------------------------------------|------------------------------------|------------------------------------------------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IT-7300<br>Fiberglass | White | Silicone<br>Thermosetting | 5.0 (0.13)/<br>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 flagging and contamination from varnish chemicals or solvents. |



## IDEAL TAPE WORLDWIDE LOCATIONS

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### **ABI Tape**

105 Whittendale Dr.  
Moorestown, NJ 08057  
TEL: 800-229-9148  
FAX: 978-458-0302  
EMAIL: [info@idealtape.com](mailto:info@idealtape.com)  
**WWW.ABITAPE.COM**

### **ABI Tape - Europe**

Klein Frankrijkstraat 13  
9600 Ronse - Belgium  
TEL: +32 55 23 51 51  
EMAIL: [info@abitape.eu](mailto:info@abitape.eu)  
**WWW.ABITAPE.EU**

### **American Biltrite Far East**

17 Joo Koon Crescent  
Singapore 629016  
TEL: +65 6897 8327  
FAX: +65 6897 8326  
EMAIL: [sales@abfe.com.sg](mailto:sales@abfe.com.sg)  
**WWW.ABFE.COM.SG**



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