

## Selection simplicity and versatility

### 3M™ PTFE Film Tape 5490

#### Applications and key characteristics

- Wrap web rollers with a slippery, low energy surface for smoother material movement
- Cover web former edges to minimize friction during folding
- Anti-stick for ready release and clean-up of hot plastic; prevent plastic film from sticking to heat bar
- Protect surfaces against heat, chemicals, and friction
- Conforms to rollers for easy application

#### Technical parameters

Adhesive:	Pressure sensitive silicone for high temperature performance
Backing:	Gray PTFE slick surface extruded film with layflat backing
Backing Thickness:	2.0 mils (0.05 mm)
Total Thickness:	3.7 mils (0.09 mm)
Temperature Use Range:	-65°F to 400°F (-54°C to 204°C)

### 3M™ Glass Cloth Tape 361

#### Applications and key characteristics

- High temperature resistance for thermal spray masking
- Splice fabric and other textured surfaces when tensile strength 7x greater than typical polyester tapes is needed
- Protect surfaces against abrasion
- Protect against high temperature to pass FAA flame resistance regulations

#### Technical parameters

Adhesive:	Pressure sensitive silicone for high temperature performance
Backing:	White glass cloth
Backing Thickness:	5.4 mils (0.14 mm)
Total Thickness:	7.5 mils (0.19 mm)
Temperature Use Range:	-65°F to 450°F (-54°C to 232°C)

### 3M™ Polyester Tape 850

#### Applications and key characteristics

- Thin caliper, high tensile strength of 28 lbs.in. (420 /100 mm), and 120% elongation at break for reliable butt and other splices
- Seal, protect and reinforce
- Color code or decorate with long term holding
- Long term aging with transparent clarity
- Transparent option for virtually invisible splices

#### Technical parameters

Adhesive:	Pressure sensitive acrylic for long term holding
Backing:	Transparent, red, black, white, or silver polyester
Backing Thickness:	0.9 mils (0.02 mm)
Total Thickness:	1.9 mils (0.05 mm)
Temperature Use Range:	-60°F to 300°F (-50°C to 150°C)



## Beyond Specialty 6 – more 3M solutions for many industries

### 3M™ Application Specific Tapes

With a choice of unique backing and adhesive combinations, this engineered line meets demanding applications for aerospace, graphic arts, electronics, metal finishing, automotive, and more.

- Venting Tapes
- Riveting Tapes
- Nylon Tapes
- 3M™ Weather Resistant Tape 838



### 3M™ Repulpable Tapes



From core starting to roll closing/tapping and all the splices in-between, this totally repulpable line offers choices for the dependability you need to keep production at full speed. Backings and adhesives are engineered for optimum strength on every type of splice: flying, overlap, butt, and general purpose.



### 3M™ Sandblast Stencil Products and Impact Stripping Tapes

Combining 32-80 mil thick rubber backing with aggressive pressure sensitive adhesive, these products meet the rigors of two tough masking applications:



## SPECIALTY 6 3M™ Specialty Tape Solutions



Meeting application challenges for appliances, aerospace, automotive, construction, MRO, electronics, commercial transport, marine and more...

## Wide variety of applications

### 3M™ Aluminum Foil Tape 425

#### Applications and key characteristics

- High thermal conductivity enhances heating or cooling efficiency
- High heat reflectivity and flame resistance protects temperature-sensitive materials against heat and flame damage and hot spots
- Reflect light
- Seal and protect against moisture, solvents, and dust
- Resist outdoor weathering and UV degradation for long term performance

#### Technical parameters

Adhesive:	Transparent pressure sensitive acrylic for long term performance
Backing:	Shiny silver, dead soft aluminum
Backing Thickness:	2.8 mils (0.07 mm)
Total Thickness:	4.6 mils (0.12 mm)
Temperature Use Range:	-65°F to 300°F (-54°C to 149°C)

### 3M™ Damping Foil Tape 2552

#### Applications and key characteristics

- Converts vibrational energy to negligible heat that readily dissipates
- Reduces structure-borne noise in metal and composite panels and support structures
- Reduces vibrational fatigue to decrease wear and tear on parts and lower the risk of part loosening and displacement
- Effectively damps with minimal coverage
- Pressure sensitive for easy application

#### Technical parameters

Polymer:	Pressure sensitive viscoelastic acrylic optimized for energy dissipation
Backing:	Dead soft aluminum
Backing Thickness:	10 mils (0.254 mm)
Total Thickness:	15 mils (0.381 mm)
Temperature Use Range:	-25°F to 175°F (-32°C to 80°C)

### 3M™ Vinyl Tape 471

#### Applications and key characteristics

- "Color throughout" resists scrapes, weathering, wear, and chemicals
- Easily applied color coding, markings, and identification for aisles, lanes, hazard areas, tools, and equipment
- Fine line paint masking
- Surface protection or decorative trim
- High visibility splicing

#### Technical parameters

Adhesive:	Transparent pressure sensitive synthetic rubber for high initial adhesion
Backing:	Conformable vinyl; locked in colors
Backing Thickness:	4.1 mils (0.10 mm)
Total Thickness:	5.2 mils (0.13 mm)
Temperature Use Range:	40°F to 170°F (4°C to 77°C)



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### 3M

#### Industrial Adhesives and Tapes Division Converter Markets

3M Center, Building 225-3S-06  
St. Paul, MN 55144-1000  
800-362-3550 • 877-369-2923 (Fax)  
www.3M.com/industrialtapes

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Bringing better ideas  
to the surface



Wide variety of  
technical solutions

Alternative 3M™ Aluminum Foil Tapes for specialized requirements

Thinner tape

3M™ Aluminum Foil Tape 431

Adhesion to silicone coated surfaces

3M™ High Temperature Aluminum Foil Tape 433\*

Greater puncture and tear resistance

3M™ High Temperature Aluminum Foil/Glass Cloth Tape 363\*

Thicker tape

3M™ Heavy Duty Aluminum Foil Tape 438



Markets

- Appliance
- Aerospace
- Automotive
- MRO (Maintenance and Repair Operations)
- Construction
- Electronics
- And more



3M™ Aluminum Foil Tape 425

\*Lined versions available

Alternative 3M™ Damping Tapes for specialized requirements

Lower temperature performance

3M™ Vibration Damping Tapes 434, 435, 436

Thinnest/lower temperature

3M™ Vibration Damping Tape 434

Thicker/lower temperature

3M™ Vibration Damping Tape 436

Thinner/lower temperature

3M™ Vibration Damping Tape 435



Markets

- Appliance
- Aerospace
- Automotive
- Commercial Vehicle
- MRO (Maintenance and Repair Operations)
- Construction
- And more



3M™ Damping Foil 2552

3M™ Vinyl Tapes for specialized requirements

Greater abrasion resistance

3M™ Vinyl Tape 472

More economical for general purpose

3M™ General Purpose Vinyl Tape 764

Hazard marking

3M™ Safety Stripe Tape 5702

Greater chemical resistance

3M™ Electroplating Tape 470

Lower moisture vapor transmission

3M™ Polyethylene Film Tape 483



Markets

- Automotive
- MRO (Maintenance and Repair Operations)
- Construction
- Marine
- Commercial Vehicle
- And more



3M™ Vinyl Tape 471

Alternative 3M™ Film Tapes for specialized requirements

Skived backing

3M™ PTFE Film Tape 5480

Greater tensile strength or durability

3M™ PTFE Glass Cloth Tape 5451

Lined versions

3M™ Squeak Reduction Tape 9324

Silicone free

3M™ PTFE Film Tape 5498

Abrasion resistance

3M™ UHMW Film Tape 5425

Additional thicknesses and lined versions available.



Markets

- Appliance
- Aerospace
- Automotive
- MRO (Maintenance and Repair Operations)
- Construction
- Electronics
- And more



3M™ PTFE Film Tape 5490

Alternative 3M™ Glass Cloth Tapes for specialized requirements

Thermosetting adhesive for heavy duty splicing

3M™ Thermosetting Glass Cloth Tape 365\*

Higher friction

3M™ Traction Tape 5401

Thinner/lower temperature

3M™ Glass Cloth Tape 398FR, 398FRP (printed)

\*Lined version available.



Markets

- Aerospace
- Automotive
- Commercial Vehicle
- Construction
- Marine
- And more



3M™ Glass Cloth Tape 361

Alternative 3M™ Polyester Tapes for specialized requirements

Thinner tape

3M™ Composite Bonding Tape 8905

Splicing silicone-coated material

3M™ Polyester Silicone Adhesive Tape 8403

Splice detection

3M™ Polyester Film Tape 850

Greater temperature resistance

3M™ General Purpose Polyester/Silicone Tape 8992

Higher adhesion

3M™ Super Bond Film Tape 396



Markets

- Paper and Printing
- Automotive
- Construction
- Aerospace
- Electronics
- Metal Finishing
- And more



3M™ Polyester Tape 850