## **Selection simplicity** and versatility

## 3M<sup>™</sup> 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
- Protect surfaces against heat, chemicals, and friction
- Conforms to rollers for easy application

## **Technical parameters**

Adhesive: Pressure sensitive silicone for high temperature performance

> Gray PTFE slick surface extruded film with layflat backing

Backing

Thickness: 2.0 mils (0.05 mm)

Thickness: 3.7 mils (0.09 mm)

Temperature

Use Range: -65°F to 400°F (-54°C to 204°C)

## 3M<sup>™</sup> Glass Cloth Tape 361

## Applications and key characteristics

- High temperature resistance for thermal spray
- 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

White glass cloth

Thickness: 5.4 mils (0.14 mm)

Thickness: 7.5 mils (0.19 mm)

Temperature

Use Range: -65°F to 450°F (-54°C to 232°C)

Transparent, red, black, white, or

## 3M<sup>™</sup> 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

silver polyester

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**

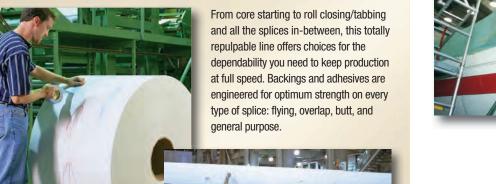
## **3M<sup>™</sup> Application Specific Tapes** With a choice of unique backing and adhesive combinations, this engineered line meets demanding applications for aerospace, graphic arts, electronics, metal finishing, automotive, Venting Tapes Riveting Tapes Nylon Tapes 3M<sup>™</sup> Weather Resistant Tape 838

## **3M<sup>™</sup> 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







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**Tape Solutions** 



construction, MRO, electronics, commercial transport, marine and more...

## Wide variety of applications

## 3M<sup>™</sup> 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**

Transparent pressure sensitive

acrylic for long term performance

Shiny silver, dead soft aluminum

Thickness: 2.8 mils (0.07 mm)

Thickness: 4.6 mils (0.12 mm)

Use Range: -65°F to 300°F (-54°C to 149°C)

## 3M<sup>™</sup> 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** 

Pressure sensitive viscoelastic acrylic optimized for energy dissipation

Dead soft aluminum

Thickness: 10 mils (0.254 mm)

Thickness: 15 mils (0.381 mm)

Temperature

**Technical parameters** 

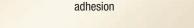
Use Range: -25°F to 175°F (-32°C to 80°C)

## 3M<sup>™</sup> 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





Conformable vinyl; locked in colors

Transparent pressure sensitive

synthetic rubber for high initial

Thickness: 4.1 mils (0.10 mm)

Thickness: 5.2 mils (0.13 mm)

Use Range: 40°F to 170°F (4°C to 77°C)



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