

Polyester Splicing Tapes

Technical Bulletin **August, 2015**

Summary

This bulletin provides the general guidelines for polyester tapes. With a choice of thin backing calipers and adhesives, this line of tapes meets demanding applications for graphic arts, photography, metal finishing, and electronics. Applications range from splicing silicone-treated paper to low profile decorative trim.

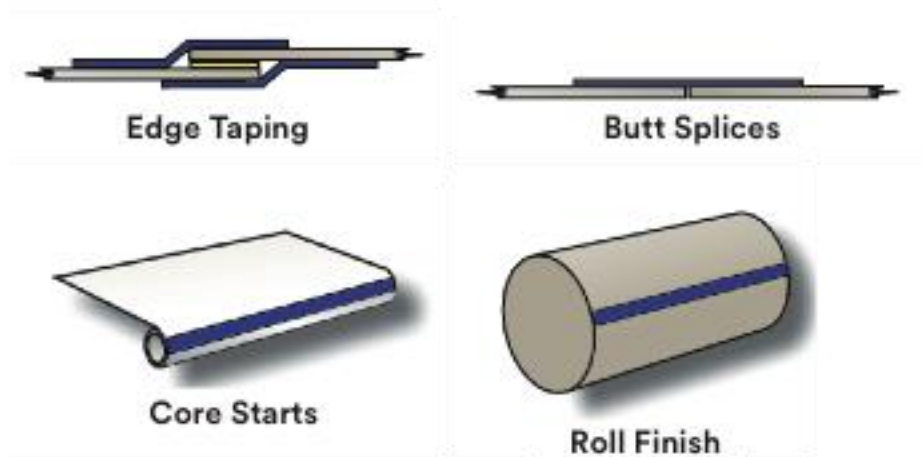
Pressure sensitive acrylic, rubber, silicone and silicone/rubber blend adhesives to meet specific requirements. For example, acrylic with transparent backing for clarity and long-term holding; silicone for high temperatures and clean removal; rubber for quick adhesion to low surface energy materials.

Product Construction

Polyester film offers excellent thermal, abrasion, and chemical resistance while maintaining their flexibility. 3M offers a variety of backing thickness and adhesive options depending on your splicing needs.

| Polyester Tapes | | | | Substrate | | | | | |
|--|-------------------|-----------------------|-------------------------|------------------|----------------------|--------------|---------------------|----------------------|----------------------------|
| Product Numbers | Adhesive Family | Initial Bond Strength | Upper Temperature Limit | Polyester (bare) | Polypropylene (bare) | Paper (bare) | Polyethylene (bare) | Aluminum Foil (bare) | Silicone coated substrates |
| 263, 33981, 8402, 8403, 8901, 8902, 8905, 8911, 8991, 8992 | Silicone | Low | 400°F (204°C) | x | x | | x | x | x |
| 8401 | Silicone/Rubber | Medium | 300°F (150°C) | x | x | x | x | x | x |
| 8421, 8422, 8429 | Rubber | High | 300°F (150°C) | x | x | | | x | |
| 396 | Super-bond Rubber | High | 200°F (93°C) | x | x | x | x | x | |
| 850, 8437 | Acrylic | Medium | 300°F (150°C) | x | x | x | | x | |

Splicing Applications



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3M™ Polyester Splicing Tapes

Storage Store under normal conditions of 60° to 80°F (16° to 27°C) and 40 to 60% relative humidity in the original packaging material.

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