

Avery Dennison
Performance Tapes
Sustainable ADvantage
portfolio



Performance
Tapes

The Sustainable ADvantage portfolio enables you to improve the environmental impact of pressure-sensitive adhesive (PSA) tape products that are used in manufactured parts and end-use products. As a showcase of our mission to build towards regeneration, Sustainable ADvantage enables circularity, improves environmental performance and facilitates transparency across the entire supply chain. Sustainable ADvantage products enable you to do one or more of the following:



Reduction in the use of materials.
Use what is necessary.



Responsibly sourced.
Forest Stewardship Council certified paper



Enables recycling,
Reuse or Compostability. What we use can be used again.



Further methods to improve environmental impact.



Contains recycled/ renewable content.
Give a second life to what we have already used.

Current offering

The Avery Dennison Performance Tape Sustainable ADvantage portfolio currently contains multiple tape constructions featuring three acrylic adhesive families: emulsion acrylic, pure emulsion acrylic and UV acrylic. These cost-effective, solvent-free constructions offer lower VOCs than similar products featuring alternative adhesive technologies, which meets the Avery Dennison criteria for providing further methods to improve environmental impact.

About the adhesive technologies

Emulsion acrylic

Emulsion acrylic adhesive is a cost-effective, water-based pressure-sensitive adhesive (PSA) engineered for high-volume laminating and industrial assembly. It's specifically formulated to provide reliable bonding to challenging substrates.

Key features

- High initial tack and moderate shear performance
- High adhesion to most common foams (polyether urethane, polyester urethane, dense urethane, sponge rubber) and non-woven, felt, and fabric materials
- Good aging resistance
- Max service temperature of 250°F
- Low outgassing per SAE J1756
- Offered on 80# SCK liner for durability and ease of use

Key benefits

- Provides reliable, all-around performance and superior foam bonding for general requirements
- High peel adhesion properties ensure structural integrity under various stresses
- Offers strong, immediate grab for efficient assembly and processing
- Moderate resistance to humidity, solvents and chemicals, and UV exposure allows for suitability in various industrial environments

Pure emulsion acrylic

Like emulsion acrylic, pure emulsion acrylic adhesive is a cost-effective, water-based PSA formulated specifically for challenging foam lamination and industrial component bonding. This adhesive family features outstanding UV performance.

Key features

- Very high shear performance
- High adhesion to dense urethane, sponge rubber and cross-linked polyethylene
- High maximum service temperature of 400°F
- Moderate resistance to humidity, solvents and chemicals, and UV exposure
- Low outgassing per SAE J1756
- Offered on 80# SCK liner for durability and ease of use.

Key benefits

- Excellent high-strength bonding suitable for applications requiring superior holding power.
- Maintains performance in high-heat environments up to 400°F
- Reliably bonds to a variety of critical substrates including cross-linked polyethylene foams

UV acrylic

UV acrylic adhesive is a high-performance, 100% solids PSA engineered for instantaneous curing and rapid, high-speed industrial assembly. It's specifically crosslinked under UV light to provide exceptional heat, chemical and shear resistance in demanding tape applications.

Key features

- Highest environmental resistance package: High resistance to humidity, solvent and chemicals, UV and moisture (water)
- High maximum service temperature of 400°F
- High adhesion to dense urethane, nonwoven, felts, fabrics and low surface energy (LSE) materials
- Moderate tack but low shear performance
- Low outgassing per SAE J1756




Key benefits

- Provides exceptional durability and protection, making it suited for harsh, wet or exposed environments
- Offers high-temperature stability for demanding applications
- A strong choice for challenging LSE plastics and fabrics

Selecting the right construction for your application




The following guides will help you best select the correct Sustainable ADvantage tape construction for your application.

Lamination selection guide

| Adhesive type | Polyether urethane | Polyester urethane | Dense urethane | Sponge rubber | Cross-linked polyethylene | Nonwoven, felts, fabrics | Low surface energy |
|---|--------------------|--------------------|----------------|---------------|---------------------------|--------------------------|--------------------|
|  Emulsion acrylic | ● | ● | ● | ● | ◐ | ● | ◐ |
|  Pure emulsion acrylic | ○ | ◐ | ● | ● | ● | ◐ | ◐ |
|  UV acrylic | ◐ | ◐ | ● | ◐ | ◐ | ● | ● |




○ Low ◐ Medium ● High

Surface energy guide

| Adhesive type | High | Medium | Low |
|---|------|--------|-----|
|  Emulsion acrylic | ● | ● | ◐ |
|  Pure emulsion acrylic | ● | ● | ◐ |
|  UV acrylic | ● | ● | ● |

○ Low ◐ Medium ● High

Application requirements guide

| Adhesive type | Minimum service temperature | Maximum service temperature | Humidity resistance | Solvent & chemical resistance | UV resistance | Shear | Tack | Price | Moisture & water resistance |
|---|-----------------------------|-----------------------------|---------------------|-------------------------------|---------------|-------|------|-------|-----------------------------|
|  Emulsion acrylic | -45°F | 250°F | ◐ | ◐ | ◐ | ◐ | ◐ | \$ | ○ |
|  Pure emulsion acrylic | -45°F | 400°F | ◐ | ◐ | ◐ | ● | ○ | \$ | ○ |
|  UV acrylic | -45°F | 400°F | ● | ● | ● | ○ | ◐ | \$ | ● |

○ Low ◐ Medium ● High

Tape constructions that further methods to improve environmental impact

| | | | | Ordering information (1-roll MOQ, 4-day lead time) | | Thickness (mils) | | | | | |
|-------------------------|----------------|----------------------|-----------------|---|--------------|------------------|---------|------------|-------|-------------------------------|-----------------|
| Adhesive type | Product | Construction | Liner option | Spec# | Width/length | Unwind side | Carrier | Liner side | Liner | Total thickness without liner | Total thickness |
| ● Emulsion acrylic | FBA 1118 80#** | Transfer tape | 80# White Kraft | 59060 | 54" x 540' | - | - | 2.5 | 3.7 | 2.5 | 6.2 |
| | FBA 7918 80# | Double coated scrim | 80# White Kraft | 59062 | 54" x 750' | 1.8 | - | 2.5 | 3.7 | 4.3 | 8.0 |
| | FBA 8318 80# | Double coated scrim | 80# White Kraft | 59063 | 54" x 750' | 1.6 | 0.5 | 1.6 | 3.7 | 3.7 | 7.4 |
| ● Pure emulsion acrylic | FBA 1915 80#** | Transfer tape | 80# White Kraft | 59065 | 54" x 540' | - | - | 2.5 | 3.7 | 2.5 | 6.2 |
| | FBA 8915 80# | Double coated tissue | 80# White Kraft | 59064 | 54" x 750' | 1.5 | 1 | 1.5 | 3.7 | 4.0 | 7.7 |
| ● UV acrylic | FT 1903 80#** | Transfer tape | 80# White Kraft | 59115 | 54" x 540' | - | - | 3 | 4.4 | 3.0 | 7.4 |
| | FT 1905 80#** | Transfer tape | 80# White Kraft | 59114 | 54" x 540' | - | - | 5 | 4.4 | 5.0 | 9.4 |

**Non-slittable



Additional support services

Product consultation and pricing

Are you comfortable with your product selection? Do you want someone to verify the item you identified is correct? Or, perhaps you need pricing? In any instance, call or email your account manager or our application support line (1-866-462-8379 Option 2 or core.series@averydennison.com). You can also use our online product selector at tapes.averydennison.com/productselector.

Sample materials

Need a sample? Visit avydn.co/PTsamples. Please use the password: tapesample. Make your product selections and we will ship a 9" x 30' sample roll within 24 hours. If a non-standard sample size is required, please call or email your account manager or our application support line (1-866-462-8379 Option 2 or core.series@averydennison.com).

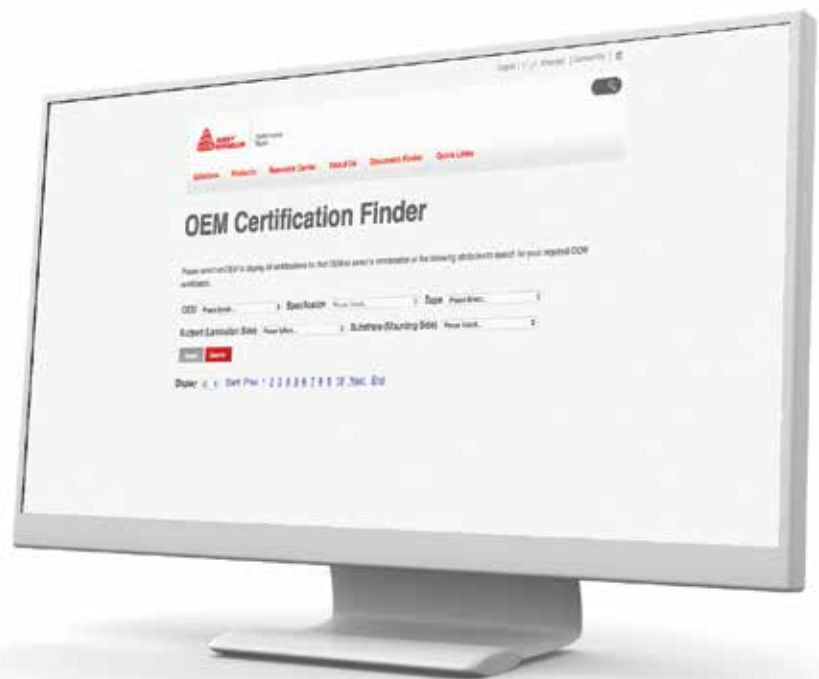
Ordering

Ready to place an order, or follow up on an existing order? Call or email our application support line (1-866-462-8379 Option 3 or tapes.orders@averydennison.com).

NOTE: Slitting of 4" rolls and above is free of charge (excludes products identified with ** produced in full adhesive only noted as ** in the product selection tool).

Automotive certification finder

Easily search over 2,300 active OEM certifications for Avery Dennison products tested in our ISO/IEC 17025 certified lab to pass OEM specifications for specific laminates and substrates. Access under the "Quick Links" tab on tapes.averydennison.com



Advancing the circular economy

Our Sustainable ADvantage Portfolio grew from our commitment to achieve sustainability in our operations while at the same time leading our industry toward sustainable practices. We develop products with sustainability in mind, from the materials we use to how they're constructed or recycled at end-of-life. By 2030, we plan to achieve 100% recyclability of our products. We invite you to read more about Sustainable ADvantage and our 2030 sustainability goals at esg.averydennison.com.



www.tapes.averydennison.com

Please refer to tapes.averydennison.com for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

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