



Inspired Brands.
Intelligent World.™

ABOUT AVERY DENNISON

Avery Dennison (NYSE:AVY) helps make brands more inspiring and the world more intelligent. For more than 75 years the company has been a global leader in pressure-sensitive technology and materials, retail branding and information solutions, and organization and identification products for offices and consumers. A FORTUNE 500® company with sales of \$6.5 billion in 2010, Avery Dennison is based in Pasadena, California and has employees in over 60 countries. For more information, visit www.averydennison.com.

ABOUT AVERY DENNISON PERFORMANCE TAPES

Avery Dennison Performance Tapes is a world-class operation focused on developing and manufacturing high-performance pressure-sensitive adhesives and tapes for a broad range of applications in automotive, electronics, building and construction, specialty industrial and personal care markets.

The organization has over 30 years of experience supplying standard and customized pressure-sensitive materials designed to deliver innovative solutions for customers' needs across the globe. Worldwide facilities ensure a global presence supported by sales offices throughout the regions.

To learn more about comprehensive performance tapes solutions for specialty applications, please contact us at tape@ap.averydennison.com.

Automotive Solutions

Foam and Fiber Bonding Selection Guide

As a market leader with 20+ years of experience as a noise, vibration and harshness solutions provider for automotive applications, Avery Dennison offers a broad portfolio of high performance pressure-sensitive tapes for foam and fiber bonding applications; supplying converters, fabricators, component manufacturers and automotive OEMs worldwide.

Our comprehensive portfolio of products are used to mount a variety of PU, PVC, PE or impregnated foams for cars and trucks, and are used to bond foam insulation materials to the interior body, ranging from plastics to rubbers, foam or plain materials, both polar and apolar.

An average car contains some 200 such components ranging in area from only a few square millimeters up to several hundred square centimeters.

PROPERTIES / BENEFITS

- Bond strength and stability
- Low VOC and flame retardant properties
- Elevated tack level
- Wide service temperature range from -40°C to 85°C, up to 120°C in some applications
- Easy removal of liner

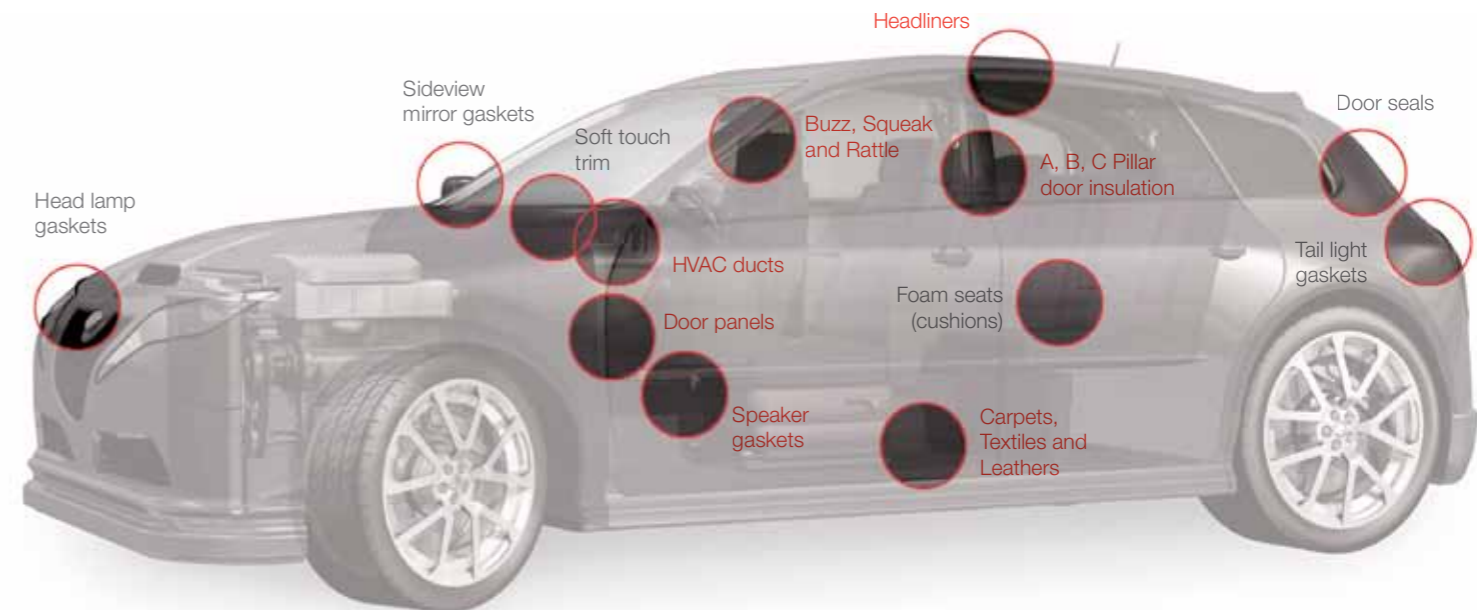
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AVERY DENNISON FOAM AND FIBER BONDING TAPES

Low VOC – The Trend of Automotive Interior Applications

Avery Dennison offers unique adhesive technologies which provide very low fogging properties that are ideal for automotive interior applications:

- UV-Cured pure acrylic
- Emulsion modified acrylic

These unique adhesive technologies offer high temperature performance, high initial tack and a variety of other key advantages for foam and fiber bonding applications.

Typical Applications

With a broad range of innovative adhesive technologies, Avery Dennison can help to increase driving comfort, reduce noise, squeaks and rattles, improve air quality and reduce vehicle weight.

- Foam pads and felts
- Interior trim
- Carpets / Textiles / Leathers
- Headliners

Product Code	Construction						Performance					Application							Key Features		
	Adhesive	Liner (µm)	Adhesive Liner Side (µm)	Carrier	Adhesive Unwind Side (µm)	Total Thickness Adhesive + Carrier (µm)	Max Continuous Service Temperature (°C)	Peel Adhesion on High Surface Energy	Peel Adhesion on Low Surface Energy	Shear	Resistance to Migration	PP	ABS	PE Foam	Polyether Urethane Foam	Polyester Urethane Foam	EPDM Foam	EPDM Sponge		Surface Curvature Grade	
FT 100	Hot Melt	White Glassine 60µm	40	-	-	40	60	●	●	○	○	●	●	●	●	●	●	●	●	Flat	- Economical transfer tape. - Extremely high initial tack. - Cost effective alternative to wet glue and spray on adhesive systems. - Continuous service temperature up to 70°C.
FT 107	Solvent Rubber	Blue-Green Glassine 85µm	60	-	-	60	110	●	●	○	○	●	●	●	○	●	○	○	○	Medium Curve	- Good adhesion to a wide variety of PU, PE, PP foams, and on a wide variety of substrates including LSE plastics and paints. - Good temperature resistance meeting OEM standards. - No need for high temperature lamination.
UHA 8250	Solvent Rubber	Kraft 120µm	50	Nonwoven	50	180	107	●	●	○	○	●	●	●	○	●	○	○	○	Medium Curve	- Excellent adhesion to open cell polyurethane foams. - Ideal for applications requiring temperature resistance and good conformability.
FT 125	Solvent Modified Acrylic	Havana Glassine 75µm	90	-	-	90	120	●	○	○	○	○	●	○	○	○	○	○	○	Medium Curve	- High coatweight version of FT126. - Typical use for rough substrates like tyvek, powder coated steel or plastized materials.
FT 126	Solvent Modified Acrylic	Havana Glassine 75µm	60	-	-	60	120	●	○	○	○	○	●	○	○	○	○	○	○	Medium Curve	- Good adhesion on wide variety of foams and LSE plastics combined with high temperature resistance. - Good UV and discolouration resistance when exposed to UV-light or plasticizers.
FT 8716P	Solvent Modified Acrylic	White PPP 125µm	50	Nonwoven	50	150	120	●	○	○	○	○	○	○	○	○	○	○	○	Medium Curve	- High initial tack for quick bonding. - Good adhesion on various substrates including PP, PE, LSE plastics. - Excellent resistance to solvent, chemicals, plasticizer and moisture temperature up to 120°C.
FT 1123	Solvent Modified Acrylic	Polycoated Kraft 120µm	80	-	-	80	93	●	○	○	○	○	○	○	○	○	○	○	○	Medium Curve	- Very aggressive acrylic adhesive. - High initial tack and adhesion to a wide variety of substrates.
FT 1149*	Emulsion Modified Acrylic	Polycoated Kraft 170µm	110	-	-	110	93	●	○	○	○	○	○	○	○	○	○	○	○	Medium Curve	- Very aggressive acrylic adhesive with low fogging properties. - Contains none of the 13 chemical components which are restricted by Japanese Ministry of Health, Labor and Welfare.
FT 5212*	Emulsion Modified Acrylic	White PPP 120µm	55	Tissue	55	120	100	●	○	○	○	○	○	○	○	○	○	○	○	Medium Curve	- Good adhesion to low energy surfaces. - Excellent moisture and dimensional stability and conversion features.
FT 2018*	Emulsion Modified Acrylic	Havana Glassine 69µm	80	-	-	80	130	●	○	○	○	○	○	○	○	○	○	○	○	High Curve	- High coatweight emulsion based modified acrylic transfer tape. - Good adhesion properties to PU, PE, PP foams and LSE substrates. - Low fogging properties.
FT 7951*	Emulsion Modified Acrylic	Havana Glassine 75µm	-	Polyester Scrim	-	100	130	●	○	○	○	○	○	○	○	○	○	○	○	High Curve	- A high coatweight emulsion based modified acrylic scrim reinforced transfer tape. - Good adhesion to PU, PE, PP foams and LSE substrates. - Low fogging properties. - Dimensional stability. - Suitable for regenerated foams, fabrics and rough substrates.
FT 2150*	UV-Cured Pure Acrylic	White Glassine 85µm	60	-	-	60	120	●	○	○	○	○	○	○	○	○	○	○	○	Medium Curve	- UV-cured pure acrylic transfer tape. - Higher adhesion compared to solvent or emulsion based pure acrylics. - Good affinity for polyether foam. - Good resistance to mould release agents. - Low fogging adhesive in the range with FOG/VOC values <250ppm. - Industry benchmark for mounting of seat heating elements. - Functional label transfer tape for undersurface printed labels.
FT 2151*	UV-Cured Pure Acrylic	Blue-Green Glassine 65µm	80	-	-	80	130	●	○	○	○	○	○	○	○	○	○	○	○	Medium Curve	- Higher coatweight version of FT2150. - Very suitable for open structured foams and plasticized foams like EPDM.

*Low VOC product