

# Aerospace Tapes for Bonding, Damping and Refurbishment



Avery Dennison Performance Tapes provides pressure-sensitive adhesive solutions for bonding, sound/vibration damping and part protection in the aerospace industry. Designed for use during both new plane construction and aircraft refurbishment, these tapes bond well to a wide range of materials and coatings and offer excellent resistance to chemicals, weathering and extreme temperatures. Performance Tapes also provides custom solutions for the specific needs of your most challenging applications.

## Flame Retardant Tapes



### Flame Retardant Bonding Tapes

**FT 1922 FR / FT 1925 FR**  
Acrylic transfer tapes designed for foam bonding and general purpose applications where

flame retardancy is needed, including interiors, windows, insulation and electronics.

- > Bonds well to a variety of materials, including low surface energy substrates
- > Can be used with most fire retardant foams, rubbers and plastics
- > Ideal for use on carpet, fiber and fabric materials for flooring and seating
- > FAR 25.853 and FAR 25.856 compliant\*
- > Meets UL 94V-0 performance requirements
- > REACH/WEEE/RoHS compliant (Antimony Trioxide Free)

\* Level of flammability is dependent on substrate being bonded



### Flame Retardant Damping and Vibration Tapes

**FT 0840**

Single coated foil tape designed for use as a

constrained layer damper to reduce resonant noise, vibration and stress fatigue where flame retardancy is needed. Also used to add abrasion resistance to foams.

- > Strong and conformable 5 mil foil facestock
- > Flame retardant acrylic adhesive bonds well to a wide variety of surfaces
- > Meets the flame retardant requirements of FAR 25.853
- > REACH/WEEE/RoHS compliant (Antimony Trioxide Free)

**Table 1 — Flame Retardant Tapes**

	Product	Construction	Total thickness (without liner)	Adhesive type	Max Service Temperature
Flame retardant bonding tape	FT 1922 FR	Transfer Tape	2.0 mil	Flame retardant acrylic	350°F (175°C)
	FT 1925 FR	Transfer Tape	5.0 mil	Flame retardant acrylic	350°F (175°C)
Flame retardant damping and vibration tape	FT 0840	Single Coated 5 mil Foil	7.9 mil	Flame retardant acrylic	400°F (205°C)

## Non Flame Retardant Tapes



### Masking Tape

#### FT 0951

Single coated PET film tape used for masking and holding rivets in place for assembly

- > Designed to remove cleanly from aluminum aircraft skin without damaging protective coatings; even after assembly
- > Thick, 3 mil polyester facestock can be drilled through without tenting
- > REACH/WEEE/RoHS compliant (Antimony Trioxide Free)

#### HPA 0833

Single coated foil masking tape with a high performance acrylic adhesive used for window protection during paint stripping processes (both mechanical and chemical).

- > 3 mil foil facestock provides excellent die cutting characteristics
- > Excellent resistance to solvents and high temperatures
- > Conformable to curved or irregular surfaces
- > Designed to remove cleanly from windows after paint removal.



### Nameplates, Emblems and Placards

#### HPA 1902 / HPA 1905

High Performance acrylic transfer tapes for the permanent attachment

of nameplates, emblems and placards in cabin interiors.

- > Meets Boeing BAC 5316 Type K specification
- > Highly conformable to curved or irregular surfaces
- > Excellent resistance to solvents and heat
- > Excellent moisture stability and die cutting properties with good converting performance

Table 2 — Non-Flame Retardant Tapes

	Product	Construction	Total thickness (without liner)	Adhesive type	Max Service Temperature
Masking tape	FT 0951	Single Coated 3 mil PET	3.9 mil	Rubber based	250°F (120°C)
	HPA 0833	Single Coated 3 mil PET	4.0 mil	High performance acrylic	400°F (205°C)
Nameplates, emblems and placards	HPA 1902	Transfer Tape	2.4 mil	High performance acrylic	400°F (205°C)
	HPA 1905	Transfer Tape	4.9 mil	High performance acrylic	400°F (205°C)

Please refer to [Tapes.AveryDennison.com](http://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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For more information on our bonding tapes and adhesive solutions, visit [Tapes.AveryDennison.com](http://Tapes.AveryDennison.com)