Avery Dennison Performance Tapes

Attachment of Gaskets & EPDM Seals

Application overview

Almost any appliance requires during its assembly-, transportation- or use temporary or permanent mounting of:

- EPDM seals
- Rubber gaskets
- Foam gaskets

To a wide variety of substrates

As bonding tapes can be laminated and die-cut to the exact size of gaskets & seals, this translates to quicker and more consistent application with less waste. This contributes to a higher productivity. The lamination with these high tack adhesives makes them also easier to apply, translating into less labor. For critical applications an adhesive with high temperature resistance can be selected.

Customer benefits

- Easy to apply, without drilling nor damage to the substrate
- Helps reduce risk of metal corrosion
- No cure time required, ability to handle immediately following tape application
- Compatible with a high variety of substrates

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Technical Properties

The performance of the bond depends largely on the selection of the right adhesive and carrier. This theoretical Adhesive technology per surface substrate (for generally smooth surfaces) table can help provide a first selection:

Adhesion Level	Solvent Acrylic Based	Dispersion Acrylic Based	Rubber Based
Metal / Alu	High	High	High
Glass / Ceramics	High	High	High
Painted Surfaces	High	High	High
Wood / Board / Paper	High	High	High
Soft PVC	Medium	Low	Medium / High
Rigid PVC	High	High	High
PC / ABS	High	High	High
Acrylic / PET	High	High	High
Polystyrene	High	High	High
PE / PP	Medium	Medium	High
Textile / Cotton	High	High	High
Rubber / EPDM	Medium	Low	High

1. Solvent Acrylic Based

Solvent modified acrylic tapes are easy to process and have excellent bonding strength to a wide variety of substrates including low surface energy substrates, good temperature resistance and good resistance to UV light.

Portfolio Overview

	FT F2070 FT 125	FT B2170	FT 7515
Features	• Transfer tape • High initial tack • Easy unwind	• Double coated • 12 µm PET carrier • High initial tack	• Double coated • Tissue carrier • High initial tack
Benefits	• Provides excellent resistance to water • Provides excellent resistance to cleaning detergents & solvents • Provides good resistance to high temperatures	• Provides excellent resistance to water • Provides excellent resistance to solvents, chemicals, and plasticizers • Provides good resistance to high temperatures	• Provides excellent resistance to water • Provides excellent resistance to solvents, chemicals, and plasticizers • Provides excellent resistance to high temperatures • Provides excellent resistance to UV-light
Applications	• Low to high surface energy bonding	• Low to high surface energy bonding	• Low to high surface energy bonding
Thickness (excluding liner)	45 µm 89 µm	90 µm	150 µm

2. Dispersion Acrylic Based

Dispersion modified acrylic tapes are easy to process and have excellent bonding strength to a wide variety of substrates including low surface energy substrates. They are very efficient and perfect for a temporary positioning aid, or for a permanent bond in dry conditions. These waterborne adhesives have lower emissions than their solvent based equivalents.

Portfolio Overview

	FT 2018	FT 7770	FT 7951
Features	• Transfer tape • High initial tack • Easy unwind	• Double coated • Nonwoven carrier • High initial tack	• Double coated • Scrim • High initial tack
Benefits	• Provides excellent resistance to solvents, chemicals, and plasticizers • Provides decent resistance to high temperatures • Provides excellent resistance to UV-light	• Provides excellent resistance to solvents, chemicals, and plasticizers • Provides decent resistance to high temperatures • Provides excellent resistance to UV-light	• Provides excellent resistance to solvents, chemicals, and plasticizers • Provides decent resistance to high temperatures • Provides excellent resistance to UV-light
Applications	• High adhesion to medium and low surface energy materials	• High adhesion to medium and low surface energy materials	• High adhesion to medium and low surface energy materials
Thickness (excluding liner)	80 µm	115 µm	90 µm

3. Rubber Based

Rubber based pressure-sensitive adhesives combine an excellent adhesion on low surface energy surfaces, with a high resistance to migrating substances. This makes them the perfect tape solution to combine with EPDM foams.

Portfolio Overview

	FT 107 FT 167	FT 666	FT 239
Features	• Transfer Tape • Easy liner removal • Very high initial tack	• Double coated • Scrim • Very high initial tack	• Double coated • Tissue carrier • Very high initial tack
Benefits	• Suitable for flat or curved surfaces	• Suitable for uneven surfaces • Provides excellent resistance to water • Provides excellent resistance to plasticizers • Provides excellent resistance to migrating volatile components in substrates	• Suitable for uneven surfaces • Provides excellent resistance to plasticizers • Provides excellent resistance to migrating volatile components in substrates
Applications	• Low to high surface energy material bonding • Good heat resistance (FT 107)	• Low to high surface energy material bonding	• Low to high surface energy material bonding
Thickness (excluding liner)	61 µm	180 µm	160 µm

For more information on our bonding tapes and adhesive solutions, call us:

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