

TECHNICAL DATA SHEET

Avery Dennison™ FT Y3102 is a 72 micron double coated tape with 12 micron clear PET carrier and white colored glassine liner. It is designed for removable protection, PU foam bonding, Bubble wrap, Packaging and protection.

FEATURES

- High tack laminating adhesive
- Specially designed mounting side adhesive
- Strong plastic carrier
- Medium release liner
- Removability

BENEFITS

- Provides good initial adhesion to a wide variety of common packaging substrates e.g. low density polyethylene foam
- Ability to be cleanly removed from plastic, wood and glass surfaces
- Excellent resistance to UV-light
- Excellent die-cutting characteristics
- Provides a balance between the extension requirements for conversion and liner removal at point of application
- The removable adhesive is up to one year after application from most hard substrates cleanly removable (excluding nitrocellulose lacquered surfaces)



CONSTRUCTION

Liner: White glassine liner

Adhesive 1: Removable acrylic adhesive

Carrier: Clear PET film

Adhesive 2: Rubber based adhesive

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mils	MM's	Micron's (µm)
Liner		3.94	0.100	100
Carrier & Adhesive		2.83	0.072	12 + 60
Total Caliper		6.77	0.172	172
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min LS	6.00	96	1050
	24 hr MS	0.8	13	140
Polycarbonate	20 min LS	5.94	95	1040
	24 hr MS	1.48	24	260
Painted Steel	20 min LS	5.14	82	900
	24 hr MS	0.94	15	165
Polypropylene	20 min LS	4.17	67	730
	24 hr MS	0.54	9	95
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel MS	Initial	0.69	11	120
Stainless Steel LS	Initial	7.19	115	1260
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail MS/LS		
Stainless Steel	Initial	666/833		
TEMPERATURES			°F	°C
Minimum Application Temperature			50 °F	10 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			131 °F	55 °C

Note: The listed values are typical only and not intended to serve as product specifications

APPLICATION TECHNIQUES

- It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied be clean, dry, and free of grease or oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (film / rigid) surface achieves different performance

STORAGE / SHELF LIFE

Two years when stored at 64-72 °F (18-22 °C) / 30-70 % relative humidity, out of direct sunlight and in original packaging.

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

North America: +1 866 462 8379

Asia Pacific: +86 512 57155001

Europe: +32 (0)14 40 48 11

www.tapes.averydennison.com