

TECHNICAL DATA SHEET

Avery Dennison™ FT 73073 is a double coated pressure sensitive adhesive system for assembling purposes. The adhesive used is a high performance UV cured pure acrylic which makes this product ideal for applications requiring high temperature resistance combined with light duty needs: reclosure of flexible bags, poster mounting, etc. The adhesive and this tape construction are approved for food contact applications.

FEATURES

- UV cured pure acrylic adhesive
- Clear PET film carrier
- Easy release glassine liner

BENEFITS

- Medium tack, peel and shear properties
- Excellent resistance to solvents, chemicals, plasticizers, temperature and UV light
- High resistance to moisture
- Low fogging and VOC emission characteristics
- Facilitates visual quality control of the end product
- Offers easy removal at point of application
- Improves die-cutting characteristics, provides dimensional stability and reinforces flexible substrates
- The adhesive has been tested for food contact and passes the demand of the regulation (EC) No 1935/2004 on materials intended to come in direct contact with food (dry and moist food including dairy products as well as for fatty foods)



CONSTRUCTION

Liner: White glassine paper liner

Adhesive 1: UV cured pure acrylic

Carrier: Clear PET film

Adhesive 2: UV cured pure acrylic



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mils	MM's	Micron's (µm)
Liner		2.64	0.067	67
Carrier & Adhesive		2.83	0.072	72
Total Caliper		5.47	0.139	139
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	3.61	58	630
	24 hr dwell	3.54	57	620
LDPE	20 min dwell	1.00	16	176
	24 hr dwell	0.81	13	142
Polypropylene	20 min dwell	1.37	22	240
	24 hr dwell	1.92	31	336
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	Initial	4.57	73	800
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm²) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel	Initial (h)	> 1200		
SAFT (ASTM 3654) 1"sq (6.25 cm²) 500 g				
SUBSTRATE		Fail Temp °C		
Stainless Steel	24 h dwell	> 165		
TEMPERATURES			°F	°C
Minimum Application Temperature			°F	10 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			345 °F	150 °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:

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