

TECHNICAL DATA SHEET

Avery Dennison™ FT 397 is a double coated tape with a permanent acrylic adhesive for applications requiring temperature and corrosion resistance. Double lined with good layflat properties for easy sheeting or die cutting.

FEATURES

- Cross-linked acrylic adhesive
- Polyester carrier
- Smooth adhesive layer
- Low in chlorine and sulphur content
- Clay-coated liners

BENEFITS

- Provides excellent temperature performance, UV-, chemical and moisture resistance and transparency
- Compatible with most printing inks and offers a very long lifetime
- Low shrinkage even when subjected to elevated temperature
- No unevenness in the finished appearance
- Good layflat properties
- Exceptional resistance to corrosion
- Independent quality label



CONSTRUCTION

Liner 1: Clay-coated paper with green Fasson Fastouch Logo

Adhesive: Acrylic

Carrier: Polyester

Adhesive 2 Unwind: Acrylic

Liner 2 Easy: Clay-coated paper



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D-3652)			US Mil's	MM's	Micron's (µm)
Liner			5.2	0.131	131
Adhesive + Carrier			3.3	0.083	83
Liner Easy			5.2	0.131	131
Total Caliper			13.6	0.344	344
PEEL ADHESION (ASTM D3330)					
180° (12") 300 mm / min @ Room Temp					
SUBSTRATE			Lbf / In	US Oz / In	N / Meter
Stainless Steel	Liner	20 min dwell	3.1	49	539
		24 hr dwell	3.3	52	569
Polycarbonate	Liner	20 min dwell	3.5	56	615
		24 hr dwell	3.9	63	690
Painted Steel	Liner	20 min dwell	2.6	42	461
		24 hr dwell	3.0	48	531
Polypropylene	Liner	20 min dwell	1.6	26	280
		24 hr dwell	1.7	27	299
Polyester	Liner	20 min dwell	-	-	-
		24 hr dwell	2.7	43	469
ABS	Liner	20 min dwell	2.6	42	461
		24 hr dwell	3.1	50	545
LOOP TACK (ASTM D6195)					
(12") 300 mm / min @ Room Temp					
SUBSTRATE			Lbf / In	US Oz / In	N / Meter
Glass		Initial	4.0	64	700
STATIC SHEAR (ASTM D3654)					
1"sq (6.25 cm ²)1000 g @ Room Temp				Min to Fail	
Stainless Steel		Initial	> 1,000		
TEMPERATURES				°F	°C
Minimum Application Temperature				50 °F	10 °C
Minimum Service Temperature				-40 °F	-40 °C
Maximum Service Temperature				284 °F	140 °C

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

APPLICATION TECHNIQUES

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

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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www.tapes.averydennison.com