

TECHNICAL DATA SHEET

Avery Dennison™ FT 7399 is a differential double coated modified solvent acrylic/solvent rubber tape, designed for applications where an extreme adhesion is required to low surface energy materials on the laminating side and where the mounting side requires a high adhesion to larger textured and painted surfaces offering the advantage of repositionability with a strong adhesion built-up over time.

FEATURES

- High tack laminating adhesive
- Differential adhesive system
- Easy release glassine liner
- Strong, conformable filmic carrier

BENEFITS

- Mounting side: offering initial repositionability when mounted and increased adhesion performance built-up over time
- Laminating side: high initial adhesion to a wide variety of LSE substrates
- High resistance to moisture
- Consistent application performance
- Suitable for high temperature bonding applications
- Reinforces flexible substrates and acts as a barrier for highly plasticized substrates
- Improved die-cutting characteristics
- Facilitates easy removal at point of application



CONSTRUCTION

Liner: Havana (yellow/brown) glassine

Adhesive 1: Modified solvent acrylic

Carrier: Transparent polyester film 12µm

Adhesive 2: Solvent rubber



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)			US Mils	MM's	Micron's (µm)
Liner			2.95	0.075	75
Carrier & Adhesive			4.61	0.117	117
Total Caliper			7.56	0.192	192
PEEL ADHESION (ASTM D3330) 180° (12") 300 mm / min @ Room Temp					
SUBSTRATE			Lbf / in	US Oz / In	N / Meter
Stainless Steel	Liner	72 hr dwell	5.6	90	980
	Unwind	72 hr dwell	7.4	119	1300
ABS	Liner	72 hr dwell	5.7	91	1000
	Unwind	72 hr dwell	7.7	123	1350
Painted Steel		72 hr dwell			
		72 hr dwell			
Polypropylene	Liner	72 hr dwell	4.6	73	800
	Unwind	72 hr dwell	6.9	110	1200
LOOP TACK (ASTM D6195) (12") 300 mm / min @ Room Temp					
SUBSTRATE			Lbf / in	US Oz / In	N / Meter
Stainless Steel	Liner		4.8	78	850
	Unwind		6.9	110	1200
STATIC SHEAR (ASTM D3654) 1"sq (6.25 cm ²) 1000 g @ Room Temp					
SUBSTRATE			Min to Fail		
Stainless Steel		Initial	> 1500		
TEMPERATURES				°F	°C
Minimum Application Temperature				50 °F	+10 °C
Minimum Service Temperature				-40 °F	-40 °C
Maximum Service Temperature				230°F	+110 °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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www.tapes.averydennison.com