

TECHNICAL DATA SHEET

Avery Dennison™ FT 351 is a differential double coated pure 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 plasticizer resistant and repositionable adhesive layer. Ideally used for bonding polyurethane foam, polyester fibers, felts and fabrics to a wide variety of substrates. Typically designed for cable wrap applications with a PU-foam, high precision die-cut parts, nameplates, decorative trims and profiles.

FEATURES

- High tack laminating adhesive
- Differential adhesive system
- Service temperature up to 110°C
- Easy release glassine liner
- Strong, conformable filmic carrier

BENEFITS

- Mounting side: cross-linked acrylic based adhesive providing excellent resistance against plasticizers and offering initial repositionability when mounted
- Laminating side: high initial adhesion to a wide variety of LSE substrates
- 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: Pure 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			3.62	0.092	92
Total Caliper			6.57	0.167	167
PEEL ADHESION (ASTM D3330)					
180° (12") 300 mm / min @ Room Temp					
SUBSTRATE			Lbf / in	US Oz / In	N / Meter
Stainless Steel	Liner	24 hr dwell	2.9	46	500
	Unwind	24 hr dwell	5.5	89	970
ABS	Liner	24 hr dwell	3.6	58	630
	Unwind	24 hr dwell	5.1	82	900
Polypropylene	Liner	24 hr dwell	1.6	26	280
	Unwind	24 hr dwell	3.8	60	660
LOOP TACK (ASTM D6195)					
(12") 300 mm / min @ Room Temp					
SUBSTRATE			Lbf / in	US Oz / In	N / Meter
Stainless Steel	Liner	Initial	3.1		540
	Unwind	Initial	6.3		1100
STATIC SHEAR (ASTM D3654)					
1"sq (6.25 cm ²) 1000 g @ Room Temp					
SUBSTRATE			Min to Fail		
Foil; 1" sq (6.5 cm ²); 1000 g	Liner	24 hr dwell	> 600		
	Unwind	24 hr dwell	> 7500		
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