



FT 8381

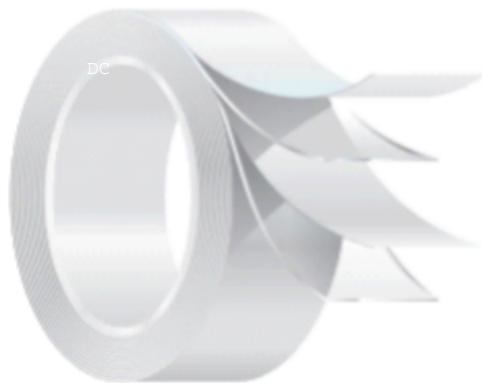
Avery Dennison FT 8381 was designed for applications requiring good unwind and liner side adhesion, where intricate die-cutting is required. Used in permanent label applications.

FEATURES

- Aggressive rubber based adhesive
- High shear properties
- Polyester release liner
- Polyester carrier
- FDA approved adhesives

BENEFITS

- Adhesive combines high tack and adhesion with excellent shear
- Strong bond to a variety of substrates
- Excellent die-cutting characteristics
- Moisture and tear resistant release liner
- Approved for use in applications requiring FDA "indirect food contact"



CONSTRUCTION:

Liner:

2 mil Polyester

Adhesive 1:

Rubber

Carrier:

Polyester

Adhesive 2:

Rubber Based (UV Detect)

FT 8381

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		2.0	0.05	51
Adhesive 1 - Liner		2.5	0.06	64
Carrier		0.5	0.01	13
Adhesive 2 - Unwind		2.5	0.06	64
Total Caliper without Liner:		5.5	0.14	140
Total Caliper:		7.5	0.19	191

Peel Adhesion		ASTM D3330		
180° 12 in (308 mm) min @ Room Temp				
Substrate			Lbf / in	N / Meter
SS	Liner	Initial	12.2	2,148
	Unwind		12.4	2,184

Loop Tack		ASTM D6195		
180° 20 in (508 mm) / min @ Room Temp				
Substrate			Lbf / in	N / Meter
SS	Liner	Initial	18.0	3,170
	Unwind		15.6	2,747

Static Shear		ASTM D3654		
180° 1" sq (6.5 cm ²) 2500 g @ Room Temp				
Substrate			Min to Fail	
SS	Liner	Initial	> 10,000	
	Unwind		> 10,000	

TEMPERATURES	° F	° C
Minimum Application Temperature	50° F	10° C
Maximum Continuous Operating Temperature	175° F	79° C
Maximum Intermittent Operating Temperature	200° F	95° C

THE LISTED VALUES ARE TYPICAL 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

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

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