



FT 7831

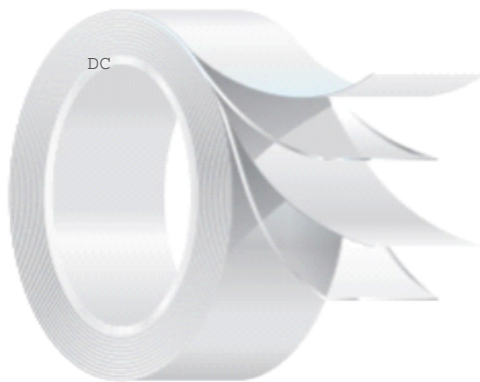
Avery Dennison™ FT 7831 is an ultra-thin double coated polyester tape featuring at both sides a modified acrylic adhesive and a reasonable moisture stable super calendered glassine. It has been designed for high precision mounting applications.

FEATURES

- Modified acrylic adhesive
- Clear adhesive
- Re-moisturized liner
- Only 1.2 mils thick

BENEFITS

- Offers high temperature and UV resistance
- Good adhesion on a lot of surface, also low energy surfaces
- High degree of transparency
- Good moisture and dimensional stability
- Can be used in applications where size / thickness reduction is critical



CONSTRUCTION:

Liner:

Yellow Glassine

Adhesive 1:

Modified Acrylic

Carrier:

Polyester

Adhesive 2:

Modified Acrylic

FT 7831

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		2.9	0.07	74
Adhesive 1 - Liner		0.4	0.01	10
Carrier		0.5	0.01	13
Adhesive 2 - Unwind		0.4	0.01	10
Total Caliper without Liner:		1.3	0.03	33
Total Caliper:		4.2	0.11	107

Peel Adhesion		ASTM D3330		
180° 12 in (305 mm) / min				
Substrate			Lbf / In	N / Meter
SS	Liner	Initial	2.1	370
	Liner	24 hr dwell	2.5	440
Painted Steel	Liner	20 min dwell	2.1	370
	Liner	24 hr dwell	1.8	317
Polycarbonate	Liner	20 min dwell	2.2	387
	Liner	24 hr dwell	2.3	405
PP	Liner	20 min dwell	2.1	370
	Liner	24 hr dwell	2.3	405

Loop Tack		ASTM D6195		
180° 20 in (508 mm) / min				
Substrate			Lbf / In	N / Meter
SS	Liner	Initial	2.3	405

Static Shear		ASTM D3654		
180° 1" sq (6.5 cm2) 1000 g @ Room Temp				
Substrate			Mins to Fail	
SS	Liner	Initial	> 10,000	

Tensile Elongation		ASTM D882		
180° 2 in (50.8 mm) / min				
Substrate			Lbf / In	N / Meter
Product	Tensile	Machine Direction	8.6	1,514
	Elong	%	40 %	40 %

	° F	° C
Minimum Application Temperature	50° F	10° C
Maximum Continuous Operating Temperature	212° F	100° C
Maximum Intermittent Operating Temperature	248° F	120° 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

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

Please refer to Tapes.AveryDennison.com for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

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