



FT 7831

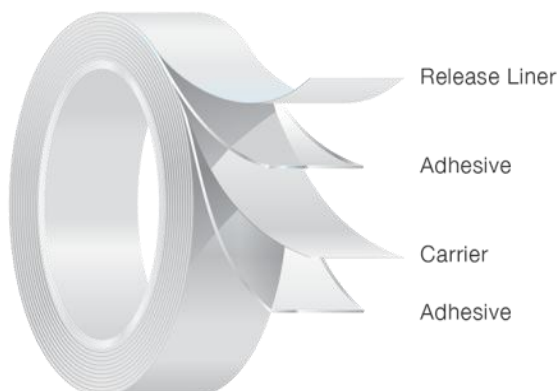
FT 7831 is an ultra-thin double coated polyester tape featuring at both sides a modified acrylic adhesive and a reasonable moisture stable supercalendered glassine. It has been designed for high precision mounting applications.

FEATURES:

- Modified acrylic adhesive
- Clear adhesive
- Remoisturised 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 Liner:

Modified Acrylic

Carrier:

Polyester

Adhesive 2 Uwind:

Modified Acrylic

FT 7831

Adhesive Properties:		Typical Values	
Thickness	Test Method(s): PSTC-133	US Mils	MM's
Liner:		2.9	0.07
Adhesive 1 Liner:		0.4	0.01
Carrier:		0.5	0.01
Adhesive 2 Unwind:		0.4	0.01
Total Caliper:		4.2	0.11

PEEL ADHESION		Test Method(s): PSTC-101, ASTM D-3330, STD-10			
2 mil PET 180° 12" min					
Substrate		Lbf / In	US Oz / In	N / Meter	
SS	Liner	20 min dwell	2.1	33	361
		24 hr dwell	2.5	40	440
Polycarbonate	Liner	20 min dwell	2.2	35	385
		24 hr dwell	2.3	36	399
Painted Steel	Liner	20 min dwell	2.1	33	361
		24 hr dwell	1.8	29	315
Polypropylene	Liner	20 min dwell	2.1	34	369
		24 hr dwell	2.3	37	404

TENSILE		Test Method(s): PSTC-131, ASTM D-882, STD-3A,B,C		
Product 180°				
Substrate		Lbf / In	US Oz / In	N / Meter
Product	Liner	8.6	137	1501

ELONGATION		Test Method(s): PSTC-131, ASTM D-882, STD-3A,B,C	
Product 180°			
Substrate		%	
Product	Liner	40	

LOOP TACK		Test Method(s): PSTC-16, STD-7			
2 mil PET 180° 20" / min					
Substrate		Lbf / In	US Oz / In	N / Meter	
SS	Liner	Initial	2.3	36	399

STATIC SHEAR		Test Method(s): PSTC-107, ASTM D 3654, STD-9	
2 mil PET 1" sq (6.5 cm ²) 1000 g			
Substrate		Min to Fail	
SS	Liner	> 10,000	

TEMPERATURES		° F	° C
Min Application Temp			
Max Continuous Operating Temp			
Max Intermittent Operating Temp			

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.

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