



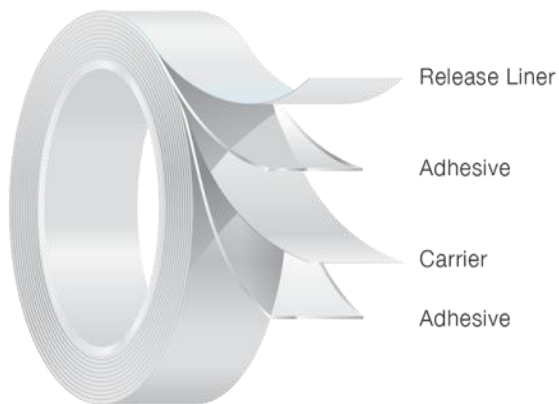
## FT 219

### FEATURES:

- Cross-linked acrylic adhesive
- High coat-weight of adhesive
- Low density nonwoven carrier
- Medium release liner

### BENEFITS:

- Provides a very high temperature resistance and a high chemical, moisture and UV-light resistance
- Good bonding to uneven surfaces
- Provides exceptional conformability
- Provides a balance between the requirements for conversion and liner removal at point of application



### CONSTRUCTION:

#### Liner:

White Glassine

#### Adhesive 1 Liner:

Acrylic

#### Carrier:

White Nonwoven

#### Adhesive 2 Unwind:

Acrylic

**FT 219**

Adhesive Properties:		Typical Values		
Thickness	Test Method(s): PSTC-133	US MILS	MM's	Microns (µm)
Liner:		3.0	0.07	75
Carrier & Adhesives:		4.7	0.12	119
Total Caliper:		7.7	0.19	194

PEEL ADHESION		Test Method(s): PSTC-101, ASTM D-3330			
Product 180° 12" min					
Substrate			Lbf / In	US Oz / In	N / Meter
SS	Liner	20 min dwell	2.7	44	480
		24 hr dwell	3.0	48	531
Polycarbonate	Liner	20 min dwell	2.7	44	480
		24 hr dwell	3.0	48	520
Painted Steel	Liner	20 min dwell	2.0	32	350
		24 hr dwell	2.9	46	501
Polypropylene	Liner	20 min dwell	1.1	18	194
		24 hr dwell	1.2	19	210

TENSILE		Test Method(s): PSTC-131, ASTM D-882			
Product 180°					
Substrate			Lbf / In	US Oz / In	N / Meter
Product			4.6	73	800

ELONGATION		Test Method(s): PSTC-131, ASTM D-882			
Product 180°					
Substrate			%		
Product			5.5		

LOOP TACK		Test Method(s): PSTC-16			
Product 180° 20" min					
Substrate			Lbf / In	US Oz / In	N / Meter
SS		Initial	2.6	41	450

STATIC SHEAR		Test Method(s): PSTC-107, ASTM D 3654		
Product 1" sq (6.5 cm2) 1000 g				
Substrate			Min to Fail	
SS		Initial	> 10,000	

TEMPERATURES	° F	° C
Min Application Temp	50 ° F	10 ° C
Max Continuous Operating Temp	284 ° F	140 ° C
Max Intermittent Operating Temp	320 ° F	160 ° 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.

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