



## FT 9302 SF

Avery Dennison™ FT 9302 SF is a 5.7 mil double coated polyester with a silicone adhesive on the laminating side and a modified acrylic adhesive on the mounting side and a double liner system. It is designed for bonding silicone foams and rubber adhesive to medium and high surface energy materials. FT 9302 SF is commonly used in automotive and general industrial applications.

### FEATURES

- Double lined, double coated tape construction with a differential adhesive system
- Multipurpose silicone adhesive on the laminating side
- Modified acrylic adhesive for low surface energy substrates on the mounting side
- Polyester film carrier
- Poly coated kraft primary release liner and polyester process liner

### BENEFITS

- Dimensional stability and good die cutting characteristics
- Strong bond to silicone rubber and silicone foam
- Strong bond to low surface energy materials
- High tensile strength and good converting performance
- Good moisture stability and lay flat properties
- Two-year warranty



### CONSTRUCTION:

**Liner 1 (Easy):**

84# Natural Poly Coated Kraft

**Adhesive 1:**

Acrylic

**Carrier:**

Polyester

**Adhesive 2:**

Silicone

**Liner 2 (Tight):**

2 mil Polyester

**FT 9302 SF**

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US MILS	MM's	Micron's (µm)
Liner 1 Easy		5.6	0.14	142
Adhesive 1 - Liner		2.2	0.06	56
Carrier		1.0	0.03	25
Adhesive 2 - Unwind		2.6	0.06	65
Total Caliper without Liner:		5.8	0.15	146
Total Caliper:		13.4	0.34	339

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate			Lbf / in	N / Meter
SS	Liner	72 hr dwell	6.0	1,057
	Unwind		8.0	1,409

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate			Lbf / in	N / Meter
ABS	Liner	72 hr dwell	5.5	969
	Unwind		8.0	1,409

Loop Tack		ASTM D6195		
180° 32 in (508 mm) / min @ Room Temp				
Substrate			Lbf / in	N / Meter
SS	Liner	Initial	6.0	1,057

Static Shear		ASTM D3654		
180° 1" sq (6.5 cm <sup>2</sup> ) 1000 g @ Room Temp				
Substrate			Min to Fail	
SS	Liner	24 hr dwell	> 10,000	

TEMPERATURES	° F	° C
Minimum Application Temperature	50° F	10° C
Minimum Service Temperature	-40° F	-40° C
Maximum Service Temperature	350° F	175° 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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