



FT 9920

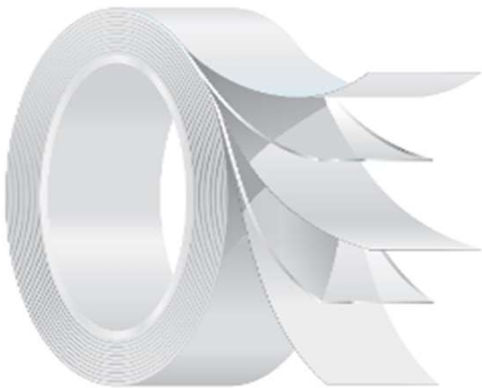
Avery Dennison FT 9920 is a double lined, double coated differential adhesive tape designed for use in graphics applications. Products is designed for use in outdoor graphics applications and provides 100% opacity and outdoor durability. Removing the PET liner will exposed the laminating adhesive side (to graphics / printed media). Removing the PCK liner will expose the LSE adhesive for mounting in field.

FEATURES

- Differential adhesive system
- High performance acrylic adhesive (HPA)
- Excellent adhesion low surface energy (LSE) modified acrylic adhesive
- 100% opaque white vinyl carrier
- Double liner release system
- Dimensionally stable liners for easy converting

BENEFITS

- Bonding of dissimilar materials
- Designed for Gasoline, solvent and chemical resistance
- Excellent outdoor durability and performance against sub-freezing temperatures once bonded / applied
- High initial bond strength to LSE materials including PE, PP, and plastics
- Designed to be bonded to the visible / graphics side due to great UV resistance of adhesive
- 100% opacity for complete coverage of whatever is underneath



CONSTRUCTION:

Liner 1 (Easy):

82# Natural PolyCoated Paper (PCK)

Adhesive 1:

LSE Modified Acrylic

Carrier:

Gloss White Vinyl

Adhesive 2:

HPA™ High Performance Acrylic (HPA™)

Liner 2 (Tight):

2 mil Polyester

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Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner 1 Easy		5.8	0.15	147
Adhesive 1 - Liner		2.5	0.06	64
Carrier		3.4	0.09	86
Adhesive 2 - Unwind		2.5	0.06	64
Liner 2 Tight		2.0	0.05	51
Total Caliper without Liner:		8.4	0.21	213
Total Caliper:		16.2	0.41	411

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate			Lbf / in	N / Meter
SS	LINER	INITIAL	7.8	1,374
	UNWIND		3.8	669

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate			Lbf / in	N / Meter
SS	LINER	72 HR DWELL	10.1	1,779
	UNWIND		5.8	1,021

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate			Lbf / in	N / Meter
ABS	UNWIND	INITIAL	3	458

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate			Lbf / in	N / Meter
ABS	UNWIND	72 HR DWELL	9.7	1,708

Peel Adhesion		ASTM D3330		
1" x 1" (6.5 cm2) 1000g				
Substrate			Minutes to fail	
PP	LINER	INITIAL	9.5	

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate			Lbf / in	N / Meter
PP	LINER	72 HR DWELL	9.7	1,708

Loop Tack		ASTM D6195		
180° 20 in (508 mm) / min @ Room Temp				
Substrate			Lbf / in	N / Meter
SS	LINER	INITIAL	10	1,779
	UNWIND		7.2	1,268

Static Shear		ASTM D3654		
180° 1" sq (6.5 cm2) 1000 g @ Room Temp				
Substrate			Min to Fail	
SS	LINER	24 HR DWELL	> 10,000	
	UNWIND		> 10,000	

TEMPERATURES		° F	° C
Minimum Application Temperature		50° F	10° C
Minimum Service Temperature		-50° F	-46° 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

- One year 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](https://www.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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