



FM 2116

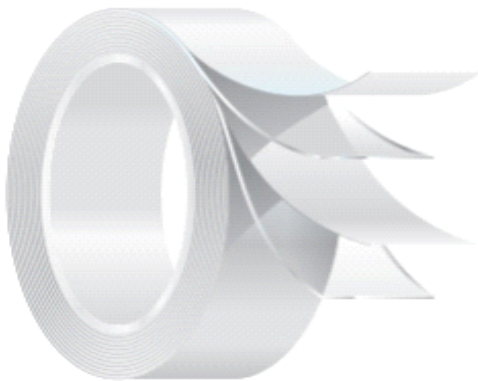
Avery Dennison™ FM 2116 is a 68 mil double coated white polyethylene foam with a high shear rubber adhesive. It bonds to a wide variety of low surface energy materials and features high shear strength and the ability to fill gaps. FM 2116 is commonly used in general industrial foam applications.

FEATURES

- Double coated tape construction
- High shear rubber adhesive
- Polyethylene foam carrier
- Super calendered kraft release liner

BENEFITS

- Dimensional stability and good die cutting characteristics
- Strong bond to a wide variety of low surface energy materials
- High shear and high temperature resistance
- Gap filling properties and good conformability
- High tensile strength and tear resistance with excellent die cutting performance
- Two-year warranty



CONSTRUCTION:

Liner:

60# White Kraft

Adhesive 1:

Rubber

Carrier:

Polyethylene Foam

Adhesive 2:

Rubber

FM 2116

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		3.5	0.09	89
Adhesive 1 - Liner		2.5	0.06	64
Carrier		63.0	1.60	1600
Adhesive 2 - Unwind		2.5	0.06	64
Total Caliper without Liner:		68.0	1.73	1727
Total Caliper:		71.5	1.82	1816

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate			Lbf / in	N / Meter
SS	Liner	72 hr dwell	6.5	1,145
	Unwind		6.5	1,145
PP	Liner	72 hr dwell	6.5	1,145
	Unwind		6.5	1,145

Loop Tack		ASTM D6195		
180° 32 in (508 mm) / min @ Room Temp				
Substrate			Lbf / in	N / Meter
SS	Liner	Initial	7.0	1,233

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	

TEMPERATURES	° F	° C
Minimum Application Temperature	50° F	10° C
Minimum Service Temperature	-40° F	-40° C
Maximum Service Temperature	175° F	80° 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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