



FM 2116

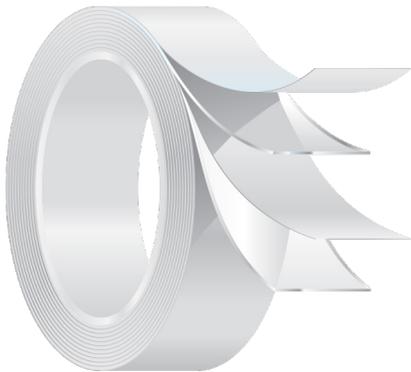
Avery Dennison FM 2116 is a 68 mil double coated white polyethylene foam with a high shear rubber adhesive. It bonds to a wide variety of low surface energy materials and features high shear strength and the ability to fill gaps. FM 2116 is commonly used in general industrial foam applications.

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



CONSTRUCTION:

Liner:

60# White Kraft

Adhesive:

Rubber

Carrier:

1/16" White Foam

Adhesive:

Rubber

FM 2116

Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	US mil	mm	micron (µm)
Liner		3.5	0.09	90
Adhesive - Unwind		2.5	0.06	65
Carrier		63.0	1.60	1600
Adhesive - Liner		2.5	0.06	65
Total Caliper without Liner:		68.0	1.73	1730
Total Caliper:		71.5	1.82	1820

PEEL ADHESION				Test Method(s): PSTC-101, ASTM D-3330	
2 mil PET 72 hr dwell 180° 12 in /min (305 mm / min)					
Substrate		Lbf / In		N / Meter	
SS	Liner	6.5		1,140	
	Unwind	6.5		1,140	
PP	Liner	6.5		1,140	
	Unwind	6.5		1,140	

LOOP TACK				Test Method(s): PSTC-16	
2 mil PET Initial 20 in / min (508 mm / min)					
Substrate		Lbf / In		N / Meter	
SS	Liner	7.0		1,230	

STATIC SHEAR				Test Method(s): PSTC-107, ASTM D 3654	
2 mil PET 72 hr dwell 1" sq (6.5 cm2) 1000 g					
Substrate		Mins to Fail			
SS	Liner	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

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.

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