



FM 2945 PET

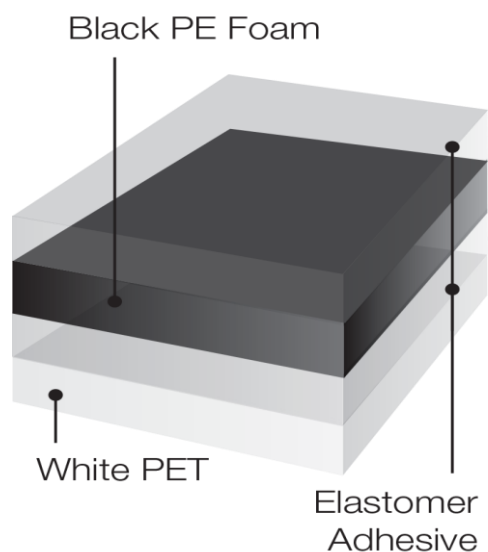
Avery Dennison FM 2945 PET is a double coated black polyethylene foam tape with a very aggressive elastomeric based adhesive. It is used for bonding a wide range of materials including low surface energy substrates. This product has excellent adhesion and shear strength and also resists elevated temperatures. FM 2945 PET is suitable for fixing nameplates and emblems to automotive exterior paints including very low surface energy clear coats.

FEATURES:

- Very aggressive elastomer based adhesive
- Double-coated polyethylene foam construction
- Strong, durable polyester liner

BENEFITS:

- Excellent bond to most surfaces, even hard to bond LSE clear coats
- Good for bonding rigid plastics
- Easy to die-cut properties allow for even small die-cut pieces



CONSTRUCTION:

Liner:

White Polyester

Adhesive 1 Liner:

Crosslinked Elastomer

Carrier:

Black Polyethylene Foam

Adhesive 2 Uwind:

Crosslinked Elastomer

FM 2945 PET

Adhesive Properties:		Typical Values	
Thickness	Test Method(s): PSTC-133	US Mils	MM's
Liner:		2.5	0.06
Carrier and Adhesives:		44.9	1.14
Total Caliper:		47.4	1.20
FOAM DENSITY		kg / m³	
		95	

PEEL ADHESION		Test Method(s): PSTC-101, ASTM D-3330, STD-10	
2 mil PET 90° 12" / min			
Substrate		Lbf / In	US Oz / In
N / Meter			
SS	Liner 20 min dwell	13.1	210
SS	Liner 24 hr dwell	13.1	210

TENSILE / PLUCK		Test Method(s):	
2 mil PET 90° 2" / min			
Substrate		Lbf / In	US Oz / In
N / Meter			
SS	Liner 72 hr dwell	85.6	1370

DYNAMIC SHEAR		Test Method(s): ASTM D-1002, STD-27	
2 mil PET 180° 0.5" / min			
Substrate		Lbf / In	US Oz / In
N / Meter			
SS	Liner 72 hr dwell	79.8	1277

STATIC SHEAR		Test Method(s): PSTC-107, ASTM D 3654, STD-9	
2 mil PET 1" sq (6.5 cm ²) 500 g Liner			
Substrate		Min to Fail	
SS	72 hr dwell @ 70°C / 158°F	> 10,000	

TEMPERATURES	° F	° C
Min Application Temp	50 ° F	10 ° C
Max Continuous Operating Temp	176 ° F	80 ° C
Max Intermittent Operating Temp	230 ° F	110 ° 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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