



FM 2945W

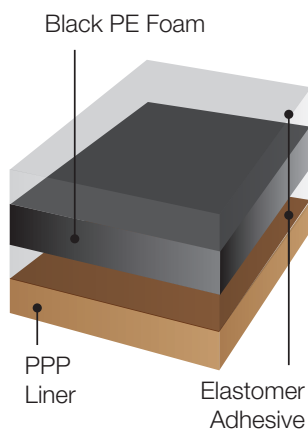
Avery Dennison FM 2945W is a 1,140 µm double coated black polyethylene foam tape with a very aggressive elastomeric based adhesive. It is used for bonding a wide range of materials including low surface energy substrates. This product has excellent adhesion and shear strength and also resists elevated temperatures. FM 2945W is suitable for fixing nameplates and emblems to automotive exterior paints including very low surface energy clear coats.

FEATURES:

- Double coated polyethylene foam construction
- Very aggressive elastomer based adhesive skin
- Selected liner system

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:

Adhesive:

High adhesion elastomeric adhesive

Carrier:

Black closed cell polyethylene foam

Liner:

Brown polyethylene protected paper

FM 2945 PET

Physical Properties	Typical Values	
THICKNESS:		
Adhesive + Foam	1,140 µm	
Liner	130 µm	
Total	1,270 µm	
FOAM DENSITY:		
	95 kg/m ³	
PEEL ADHESION:		
90° peel - RT dwell - 300mm/min	20 mins	72 hrs
Stainless Steel	230 N/100mm	230 N/100mm
*ASTM D3330		
DYNAMIC SHEAR:		
72 hr RT dwell - 12,7mm/min – Stainless Steel	550 kPa	
*ASTM D1002		
STATIC SHEAR:		
6.45 cm ² - 500g - 70°C – Stainless Steel	10,000 mins	
*ASTM D3654		
NORMAL TENSILE (Pluck):		
6.45 cm ² - 72hr dwell - 50mm/min - Stainless Steel	590 kPa	
*ASTM D897		
TEMPERATURES:		
Long Term (10,000 mins)	80°C / 176°F	
Short term (240 mins)	110°C / 230°F	
*ASTM D3654		
*TEST METHODS		

Note: The listed values are typical only and not intended to serve as product specifications

APPLICATION TECHNIQUES

- It is essential with all pressure-sensitive tapes the application surface is clean, dry and free of grease and oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (firm / rigid) surface achieves different performance

STORAGE AND SHELF LIFE

The shelf life of the product is two year when stored at 18-22°C / 64-72°F, 30-70% relative humidity and out of direct sunlight, in original packaging.

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