

TECHNICAL DATA SHEET

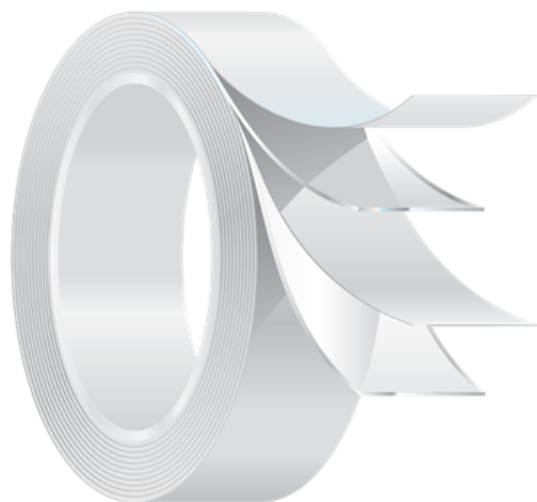
Avery Dennison™ FM 464 is a 910 µ double coated black polyethylene foam specifically designed for emblem mounting, exterior trim and membrane switch applications where good adhesion, heat and cold resistance, environmental cycling, cold slam and petroleum resistance are important.

FEATURES

- Foam tape with viscoelastic acrylic foam carrier
- Closed cell structure
- Acrylic adhesive system
- Easy release polyethylene liner

BENEFITS

- Dimensional stability with good die cutting
- Temporarily repositionable
- Bonds to a wide variety of substrates
- High strength and good die cutting and converting performance
- Dimensional stability and excellent water jet and die cutting performance



CONSTRUCTION

Liner: Brown Poly-coated paper

Adhesive 1: acrylic

Carrier: black closed cell pe foam 140kg:m³

Adhesive 2: acrylic

Adhesive Properties	Typical Values		
	US Mils	MM's	Micron's (µm)
THICKNESS (ASTM D3652)			
Liner	5.12	0.130	130
Adhesive + carrier	36.42	0.925	925
Total Caliper	41.54	1.055	1055
PEEL ADHESION (ASTM D1000) 180° (12") 300 mm / min @ Room Temp			
SUBSTRATE		Lbf / in	N / Meter
Stainless Steel 24 hr dwell		5.7	1080
DYNAMIC SHEAR (ASTM D- 1002) 1"sq (6.25 cm2) 2mm / min @ Room Temp			
SUBSTRATE		Lbf / in²	kPa
Stainless Steel 24 hr dwell		85.5	590
PLUCK ADHESION (ASTM D897) Aluminum 1" 180° 0.5" / min			
SUBSTRATE		Lbf / in²	kPa
MSE Clearcoat 24 hr dwell		87	600
STATIC SHEAR (ASTM D3654) 1" sq (6.5 cm2) 1000 g			
SUBSTRATE		min	
Stainless Steel 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		212 °F	100 °C

Note: The listed values are typical only 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.

For more information on our bonding tapes and adhesive solutions, call us:

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www.tapes.averydennison.com