



FM 503L

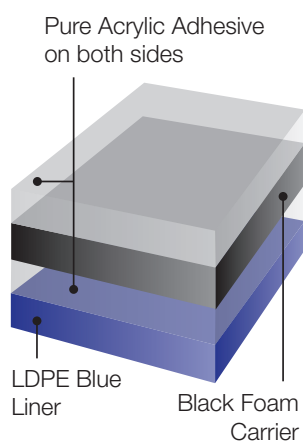
Avery Dennison FM 503L is a 920 µm black foam tape with double coated pure acrylic adhesive on both sides. It has good tack and very high shear properties. FM 503L is suitable for badge and emblem mounting in automobiles.

FEATURES:

- Double coated polyethylene foam carrier
- Pure acrylic adhesive skin
- Controlled release PE liner

BENEFITS:

- Proven performance through multiple years of use
- Easy to die-cut properties allow for even small die-cut pieces



CONSTRUCTION:

Adhesive:

Pure acrylic adhesive

Carrier:

Black closed cell polyethylene foam

Liner:

Blue polyethylene

FM 503L

Physical Properties		Typical Values	
THICKNESS			
Adhesive + Foam		920 µm	
Liner		100 µm	
Total		1,020 µm	
FOAM DENSITY			
		195 kg/m³	
PEEL ADHESION			
90° peel - 2 kg - 24 RT dwell - 300mm/min		Automotive MSE Clear Coat	Automotive LSE Clear Coat
125µ aluminum reinforcement		8 N/cm	4 N/cm
DYNAMIC SHEAR			
5 kg - 24 hr RT dwell - 12,7mm/min		Automotive MSE Clear Coat	
Stainless Steel		700 kPa	
STATIC SHEAR			
5 kg - 24hr RT dwell		Automotive MSE Clear Coat	
Stainless Steel 6.45 cm² - 1000g - RT		>10,000 mins	
Stainless Steel 6.45 cm² - 500g - 80°C		>10,000 mins	
PLUCK ADHESION			
Aluminum		Automotive MSE Clear Coat	
1inch² overlap - 5 kg - 24 hr dwell - 25.4 mm		800 kPa	
TEMPERATURES			
Long Term (6,45cm² - 500g - 10,000 mins)		90°C / 194°F	
Short term (1cm² - 100g - 240 mins)		110°C / 230°F	
*ASTM D3654			
*MSE - Medium Surface Energy			

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 years when stored at 18-22°C / 64-72°F, 30-70% relative humidity and out of direct sunlight, 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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