

TECHNICAL DATA SHEET

Avery Dennison™ FM Y422A

FEATURES

- Cross-linked highly engineered acrylic adhesive
- Closed cell foam carrier
- High release liner

BENEFITS

- Excellent resistance to solvents, chemical, moisture, temperature and UV-light
- Provides conformability to irregular surfaces
- Enables easy conversion into pads and die-cut shapes



CONSTRUCTION

Liner: Blue-green glassine

Adhesive 1: Acrylic adhesive

Carrier: A 0.8mm cross-linked, medium density closed cell polyethylene white foam

Adhesive 2: Acrylic adhesive



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US MILS	MM's	MICRON'S (µm)
Liner		3.35	0.085	85
Carrier & Adhesive		35.43	0.900	900
Total Caliper		39.57	0.985	985
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	Adhesive strength to substrate exceeds the internal strength of the foam carrier		
	24 hr dwell			
Polycarbonate	20 min dwell			
	24 hr dwell			
Painted Steel	20 min dwell			
	24 hr dwell			
Rigid Polypropylene	20 min dwell			
	24 hr dwell			
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm²) 2500 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel		> 10,000		
TEMPERATURES			°F	°C
Minimum Application Temperature			50 °F	10 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			194 °F	90 °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