

TECHNICAL DATA SHEET

Avery Dennison™ FT F2001MAT is an acrylic based adhesive transfer tape. Provides good temperature and chemical resistance and is suitable for applications requiring high clarity.

FEATURES

- Uniform adhesive thickness
- Clear adhesive film
- Cross-linked highly engineered pure acrylic adhesive
- Easy release liner
- Automotive approval: British Standard : BS AU145D
- Skin contact approval: The adhesive of F 2001 MAT has been lab tested and its Primary Irritation Index (P.I.I.) was calculated to be 0,1, « negligible irritating » in accordance with the criteria of ECETOC

BENEFITS

- Consistent application performance
- For applications where high clarity is required: e.g acrylic signs, taxi & car number plates, passports, etc.
- Excellent resistance to solvents, chemicals, plasticizers, moisture, temperature and UV-light
- High initial tack to metals and engineered plastics and high shear resistance.
- Enables smooth removal during application



CONSTRUCTION

Liner 1: Clear polyethylene mat film

Adhesive: Pure acrylic adhesive

Liner 2: Claycoated white paper



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner (Pe)		3.94	0.10	100
Liner (Paper)		5.15	0.80	80
Adhesive		1.77	0.045	45
Total Caliper		10.86	0.225	225
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	2.74	43.9	480
	24 hr dwell	3.20	51.2	560
Polycarbonate	20 min dwell	2.28	37	400
	24 hr dwell	2.51	40	440
Painted Steel	20 min dwell			
	24 hr dwell			
Rigid Polypropylene	20 min dwell	1.60	26	280
	24 hr dwell	1.71	27	300
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Glass	Initial	2.51	40	440
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel	Initial	> 10000		
TEMPERATURES			°F	°C
Minimum Application Temperature			32 °F	0 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			347 °F	175 °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:

North America: +1 866 462 8379

Asia Pacific: +86 512 57155001

Europe: +32 (0)14 40 48 11

www.tapes.averydennison.com