

TECHNICAL DATA SHEET

Avery Dennison™ FT 109

FEATURES

- Cross-linked highly engineered acrylic adhesive
- Uniform adhesive thickness
- Flexible adhesive film
- Clear adhesive
- Easy release liner

BENEFITS

- Excellent resistance to solvents, chemicals, plasticizers, moisture, temperature and UV-light
- Consistent application performance
- Good conformability to flat or curved surfaces
- High degree of transparency
- Facilitates easy removal at point of application



CONSTRUCTION

Liner: Havana (yellow/brown) colored glassine

Adhesive: Acrylic adhesive



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		3.0	0.08	75
Adhesive		2.4	0.06	62
Total Caliper		5.4	0.14	137
PEEL ADHESION (ASTM D3330) 180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	2.4	38	420
	24 hr dwell	2.7	44	480
Polycarbonate	20 min dwell	2.3	36	400
	24 hr dwell	2.9	46	500
Painted Steel	20 min dwell	2.5	40	440
	24 hr dwell	2.7	44	480
Rigid Polypropylene	20 min dwell	1.2	20	215
	24 hr dwell	1.4	22	240
LOOP TACK (ASTM D6195) (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
SS	Initial	4.8	76	835
STATIC SHEAR (ASTM D3654) 1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel	Initial	> 3000		
TEMPERATURES			°F	°C
Minimum Application Temperature			50 °F	10 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			284 °F	140 °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