

TECHNICAL DATA SHEET

Avery Dennison™ FM 7681

FEATURES

- Cohesive acrylic adhesive
- High density polyolefine foam carrier, re-inforced
- Controlled release liner

BENEFITS

- Combines excellent adhesion on mineral lenses, organic lenses and coated lenses
- Clean removable from mineral, organic and coated lenses as well as from fixation tool
- Provides conformability to curved surfaces
- Provides high degree of resistance to torque
- Enables easy conversion in die-cutting and matrix stripping



CONSTRUCTION

Liner: White glassine

Adhesive 1: Cohesive acrylic adhesive

Carrier: 800 micron very high density, closed cell polyolefine black foam

Adhesive 2: Cohesive acrylic adhesive

Adhesive Properties**Typical Values**

THICKNESS (ASTM D3652)		US Mils	MM's	Micron's (µm)
Liner		3.35	0.085	85
Carrier & Adhesive		36.22	0.920	920
Total Caliper			1.005	1005
PEEL ADHESION (ASTM D3330) 180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min MS/LS	4.34/7.42	69/119	760/1300
	24 hr MS/LS	4.85/7.99	78/128	850/1400
Painted Steel	20 min MS/LS	3.77/6.85	60/110	660/1200
	24 hr MS/LS	4.57/7.71	73/123	800/1350
Rigid Polypropylene	20 min MS/LS	3.08/5.14	49/82	540/900
	24 hr MS/LS	3.43/5.31	55/85	600/930
STATIC SHEAR (ASTM D3654) 1"sq (6.25 cm²) 2500 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel	I	>10,000 mins		
TEMPERATURES			°F	°C
Minimum Application Temperature			50 °F	10 °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