



FM 7681

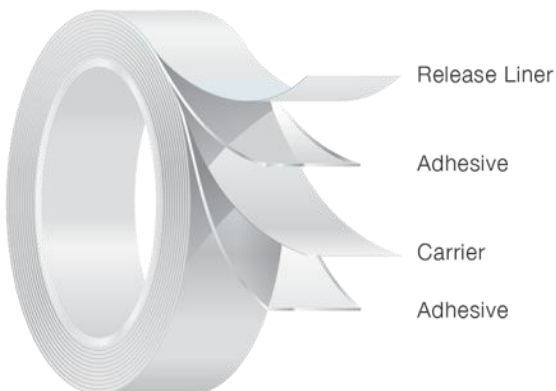
Avery Dennison FM 7681 is a foam tape with a double coated acrylic adhesive on both sides. It has good tack and very high shear properties. FM 7681 is suitable for lens grinding applications.

FEATURES:

- Specially developed acrylic adhesive
- High density polyolefin 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 Liner:

Acrylic

Carrier:

Black Closed-cell Polyolefin Foam

Adhesive 2 Uwind:

Acrylic

FM 7681

Adhesive Properties:		Typical Values		
Thickness	Test Method(s): PSTC-133	US Mils	MM's	Microns (µm)
Liner:		3.3	0.08	84
Carrier & Adhesives:		35.0	34.98	888
Total Caliper:		38.3	35.07	972

PEEL ADHESION		Test Method(s): PSTC-101, A			
Aluminum Foil 180° 12" min					
Substrate			Lbf / In	US Oz / In	N / Meter
SS	Liner	20 min dwell	4.3	69	760
	Liner	24 hr dwell	4.9	78	849
	Unwind	20 min dwell	7.4	112	1226
	Unwind	24 hr dwell	8.0	128	1399
Painted Steel	Liner	20 min dwell	3.8	60	660
	Liner	24 hr dwell	4.6	73	800
	Unwind	20 min dwell	6.9	110	1199
	Unwind	24 hr dwell	7.7	123	1350
Polypropylene	Liner	20 min dwell	3.1	49	539
	Liner	24 hr dwell	3.4	55	601
	Unwind	20 min dwell	5.1	82	900
	Unwind	24 hr dwell	5.3	85	930

LOOP TACK		Test Method(s): ASTM D-412 Die C			
Aluminum Foil 180° 20" / min					
Substrate			Lbf / In	US Oz / In	N / Meter
Aluminum Foil	Initial		4.9	78	849

STATIC SHEAR		Test Method(s): PSTC-107, ASTM D 3654, STD-9			
Aluminum Foil 1" sq (6.5 cm ²) 2500 g					
Substrate			Min to Fail		
Aluminum Foil	Initial		> 10,000		

TEMPERATURES		° F	° C
Min Application Temp		50 ° F	10 ° C
Max Continuous Operating Temp		194 ° F	90 ° C
Short Term Temp (240 mins)		266 ° F	130 ° C

THE LISTED VALUES ARE TYPICAL 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.

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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