



FM 7685I

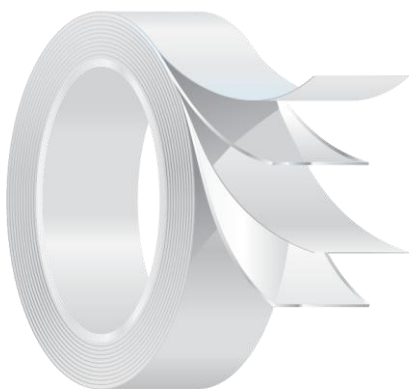
Avery Dennison FM 7685I is a 300 micron double coated black PE foam tape with a modified acrylic adhesive designed for high-end mounting applications in smart devices and electronics such as mobile phone assembly lens bonding. FM 7685I is suitable for industrial applications where dimensional stability and resistance to high temperatures, moisture and UV light are required.

FEATURES:

- Modified acrylic adhesive
- Closed cell black PE foam carrier
- Poly coated kraft release liner

BENEFITS:

- High adhesion on a variety of substrates, including low surface energy materials
- Excellent cohesion provides high dynamic shear and push out resistance
- Resistant to high temperatures and UV light
- Good moisture and dimensional stability
- Waterproof with IPX7 certification



CONSTRUCTION:

Liner:

White PCK with Avery Dennison logo

Adhesive:

Modified Acrylic

Carrier:

Black PE Foam

Adhesive:

Modified Acrylic

FM 7685I

Adhesive Properties	Typical Values		
	US Mils	mm	Microns (µm)
THICKNESS			
Adhesive + Carrier	13.8	0.35	350
Liner	4.3	0.11	110
Total	18.1	0.46	460

*PSTC-133

PEEL ADHESION

2 mil PET; 180°; 12" / min

Substrate	Lbf / in		N / 25mm	
	20 min	24 hr	20 min	24 hr
Stainless steel	6.4	7.1	28	31

*PSTC-101, ASTM D-3330, STD-10

STATIC SHEARFoil; 1" sq (6.5 cm²); 1000 g**Min to Fail**

> 10,000

*PSTC-107, ASTM D 3654, STD-9

TEMPERATURES

Min. Application Temp.	50 ° F	10 ° C
Max. Continuous Operating Temp.	212 ° F	100 ° C
Max. Intermittent Operating Temp.	248 ° F	120 ° C

*TEST METHODS

Note: The listed values are typical only and not intended to serve as product specifications

APPLICATION TECHNIQUES

- It is essential with all pressure-sensitive tapes the application surface is clean, dry and free of grease and oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (firm / rigid) surface achieves different performance

STORAGE AND SHELF LIFE

The shelf life of the product is one year when stored at 18-22°C / 64-72°F, 30-70% relative humidity and out of direct sunlight, 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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For more information on our bonding tapes and adhesive solutions, visit Tapes.AveryDennison.com