



## FM 7666I

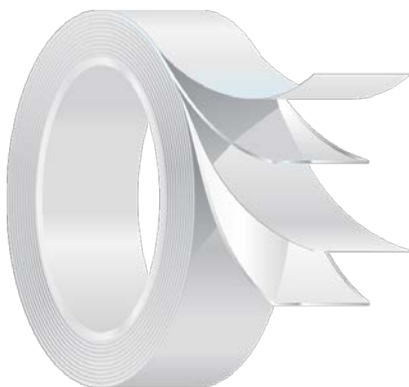
Avery Dennison FM 7666I is a 150 micron double coated black PE foam tape with a modified acrylic adhesive designed for high-end mounting applications in smart devices and electronics such as mobile phone assembly lens bonding. FM 7666I is suitable for industrial applications where dimensional stability 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
- Can enable IPX7 waterproof certification



### CONSTRUCTION:

#### Liner:

White PCK with Avery Dennison logo

#### Adhesive:

Modified acrylic

#### Carrier:

Black PE foam

#### Adhesive:

Modified acrylic

**FM 7666I**

Adhesive Properties	Typical Values		
	US Mils	mm	Microns (µm)
<b>THICKNESS</b>			
Adhesive + Carrier	5.9	0.15	150
Liner	4.3	0.11	110
Total	10.2	0.26	260

\*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	4.1	5.0	18	22
Polypropylene	6.4	7.1	28	31

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

**STATIC SHEAR****Min to Fail**Foil; 1" sq (6.5 cm<sup>2</sup>); 1000 g

&gt;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 two years 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](http://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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Performance  
Tapes

Asia Pacific  
Kunshan, China,  
NO. 618 Nanhe Road  
Kunshan Economic &  
Technological Zone  
China, 215335  
Phone: +86 512 57155001  
Fax: +86 512 57155059

Europe  
Tieblokkenlaan 1  
B-2300 Turnhout  
Belgium  
Phone: +32 (0)14 40 48 11  
Fax: +32 (0)14 40 48 55

North America  
250 Chester Street  
Painesville, Ohio  
44077 USA  
Phone: +1 866-462-8379  
Fax: +1 888-358-4469

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