



## FM 7680

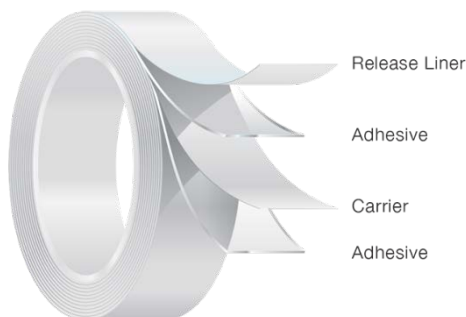
Avery Dennison FM 7680 is a black PE foam tape designed for hi-end mounting applications in smart devices and electronics such as mobile phone assembly window/lens bonding. FM 7680 is suitable for industrial applications where high temperature, UV resistance, good moisture resistance and dimensional stability are required. The thin tape caliper is ideal for thinner designs.

### FEATURES:

- Clear modified acrylic adhesive
- Closed cell PE foam carrier
- 300um tape thickness

### BENEFITS:

- High adhesion on a variety of substrates, including low surface energy substrates, like PE
- Excellent cohesion provides high dynamic shear and push out force
- High temperature and UV resistance
- Waterproof with IPX7 certification
- Good moisture resistance and dimensional stability
- Thin caliper of the tape makes it suitable for thinner design concepts



### CONSTRUCTION:

#### Adhesive:

Modified acrylic adhesive

#### Carrier:

200 micron Closed cell PE foam carrier

#### Liner:

110 micron white PE Coated Kraft

## FM 7680

Adhesive Properties	Typical Values	
<b>THICKNESS</b>		
Adhesive + Carrier	300 microns	
Liner	110 microns	
Total	410 microns	
*ATM.7		
Loop Tack (STD-QA-524)	52 N/25mm	
Dynamic Shear (STD-QA-518)	810 N/inch <sup>2</sup>	
*ATM.1 - PSTC.1		
Adhesion (180° peel) N/25mm	<b>20 min</b>	<b>24 hrs</b>
Stainless Steel	20	23
*ATM.2 - FINAT.8 - PSTC.7		
<b>SHEAR RESISTANCE</b>		
(static - 625mm <sup>2</sup> x 2.5 kg)	>10.000 min	
*ATM.2 - FINAT.8 - PSTC.7		
<b>TEMPERATURES</b>		
Application (minimum)	+10°C	
Service (continuous)	-40°C to +100°C	
Short term	+120°C	

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 (surface energy) 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](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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