



## Window Lens Bonding Solutions for Smart Devices

Avery Dennison offers specially designed tapes utilizing elastomeric, acrylic and polyethylene foam engineered to meet the impact, push out and adhesion performance required for window lens bonding in smart electronic devices.

Our products range in caliper from 150µm to 300µm and are suitable for demanding applications requiring high shock absorption, high temperature and chemical resistance, and good dimensional stability.

### APPROACH TO IMPACT PERFORMANCE:

Good: **FM 7000 Series**

Better: **AFB 61 Series**

Best: **FM 9000 Series**

### KEY ADVANTAGES:

- Range of foam constructions engineered to meet multiple performance/price level demands
- High adhesion to Low Surface Energy (LSE) substrates
- High shear resistance and impact test performance
- High adhesion, shear and push out performance on metal, plastic and glass materials
- High temperature, humidity and chemical resistance
- Anti UV and aging performance
- Additional calipers available to compensate for larger design gap tolerances

### PERFORMANCE BENEFITS:

#### FM 7000, AFB 61 Series

- Excellent adhesion to low and high surface energy substrates such as PP, ABS, painted steel, anodized aluminum, inked glass, PC and more
- Stable performance and waterproof resistance (IPX7 and IPX8)
- High adhesion, cohesion and temperature resistance for consistent operating characteristics
- Excellent push, drop and rotary drop resistance helps provide performance reliability

#### FM 9000

- High impact strength with better adhesion, shear, and pluck than leading competitors
- Excellent die cutting ability at narrow geometries (<0.3mm width)
- Full 3D light blocking capability

WINDOW LENS BONDING SOLUTIONS  
FOR SMART DEVICES



Product	Foam Type	Caliper (µm)	Liner	Width (mm)	Length (m)	180° Adhesion SUS (N/mm)	Push Out (N/mm <sup>2</sup> )	Dynamic Shear (N/mm <sup>2</sup> )
<b>FM 9215</b>	Elastomeric	150	Double Liners: Clear PET	1500	100	1.3	1.5	1.7
<b>FM 9220</b>	Elastomeric	200	Double Liners: Clear PET	1500	100	1.4	1.4	1.7
<b>FM 9225</b>	Elastomeric	250	Double Liners: Clear PET	1500	100	1.4	1.4	1.5
<b>AFB 6105B</b>	Acrylic	150	PE Coated White Paper	900	100	1.4	0.8	0.9
<b>AFB 6102B</b>	Acrylic	200	PE Coated White Paper	900	100	1.4	0.8	0.9
<b>FM 7669</b>	Polyethylene	200	White PEK with/ without AD logo	1000	50	1.0	1.0	1.2
<b>FM 7675</b>	Polyethylene	250	White PEK with/ without AD logo	1040	50	1.1	1.0	1.3
<b>FM 7680</b>	Polyethylene	300	White PEK with/ without AD logo	1040	50	0.9	1.0	1.3

For custom solutions and more information please contact Avery Dennison Performance Tapes Electronics Team.

Please refer to [Tapes.AveryDennison.com](https://www.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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