



## FM 2454

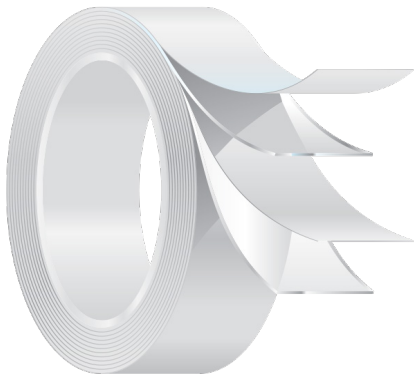
Avery Dennison FM 2454 is a 35 mil double coated black polyethylene foam with a moisture resistant acrylic adhesive. It bonds very well to glass and ceramic, including in moist environments. FM 2454 is commonly used in exterior automotive applications.

### FEATURES:

- Double coated tape construction
- Moisture resistant acrylic adhesive
- Polyethylene foam carrier
- Super calendered kraft release liner

### BENEFITS:

- Dimensional stability and good die cutting characteristics
- Strong bond to ceramic and glass, even in high moisture environments
- Gap filling properties and good conformability
- High tensile strength and tear resistance with excellent die cutting performance



### CONSTRUCTION:

**Liner:**

60# White Kraft

**Adhesive:**

Acrylic

**Carrier:**

1/32" Black Foam

**Adhesive:**

Acrylic

**FM 2454**

| Adhesive Properties:         |             | Typical Values |      |             |
|------------------------------|-------------|----------------|------|-------------|
| Thickness                    | ASTM D-3652 | US mil         | mm   | micron (µm) |
| Liner                        |             | 3.5            | 0.09 | 90          |
| Adhesive - Unwind            |             | 2.1            | 0.05 | 55          |
| Carrier                      |             | 31.0           | 0.79 | 785         |
| Adhesive - Liner             |             | 2.1            | 0.05 | 55          |
| Total Caliper without Liner: |             | 35.2           | 0.89 | 895         |
| Total Caliper:               |             | 38.7           | 0.98 | 985         |

| PEEL ADHESION  |        | Test Method(s): PSTC-101, ASTM D-3330 |           |  |
|--|--------|---------------------------------------|-----------|--|
| 2 mil PET 72 hr dwell 180° 12 in /min (305 mm / min) |        |                                       |           |  |
| Substrate  |        | Lbf / In                              | N / Meter |  |
| SS   | Liner  | 7.0                                   | 1,230     |  |
|  | Unwind | 6.5                                   | 1,140     |  |
| ABS  | Liner  | 6.0                                   | 1,050     |  |
|  | Unwind | 5.5                                   | 960       |  |
|  |        |                                       |           |  |
|  |        |                                       |           |  |
|  |        |                                       |           |  |
|  |        |                                       |           |  |
|  |        |                                       |           |  |
|  |        |                                       |           |  |

| LOOP TACK                                    |       | Test Method(s): PSTC-16 |           |  |
|--|-------|-------------------------|-----------|--|
| 2 mil PET Initial 20 in / min (508 mm / min) |       |                         |           |  |
| Substrate                                    |       | Lbf / In                | N / Meter |  |
| SS   | Liner | 6.0                     | 1,050     |  |
|  |       |                         |           |  |
|  |       |                         |           |  |
|  |       |                         |           |  |
|  |       |                         |           |  |

| STATIC SHEAR                                 |       | Test Method(s): PSTC-107, ASTM D 3654 |  |  |
|--|-------|---------------------------------------|--|--|
| 2 mil PET 72 hr dwell 1" sq (6.5 cm2) 1000 g |       |                                       |  |  |
| Substrate                                    |       | Mins to Fail                          |  |  |
| SS   | Liner | 10,000                                |  |  |
|  |       |                                       |  |  |
|  |       |                                       |  |  |
|  |       |                                       |  |  |
|  |       |                                       |  |  |

| TEMPERATURES                    | ° F    | ° C    |
|---------------------------------|--------|--------|
| Minimum Application Temperature | 50° F  | 10° C  |
| Minimum Service Temperature     | -40° F | -40° C |
| Maximum Service Temperature     | 225° F | 105° 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**

- One year 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](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.

© 2017 Avery Dennison Corporation. All rights reserved. Avery Dennison® is a registered trademark of Avery Dennison Corporation. All other Avery Dennison brands, product names, antenna designs and codes or service programs are trademarks of Avery Dennison Corporation.



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