



## HPA 1905 PET

Avery Dennison HPA 1905 PET is a 4.9 mil transfer tape with a high performance acrylic adhesive and a polyester release liner. It bonds well to medium and high surface energy plastics and metals. HPA 1905 PET is commonly used for signage and graphics and general industrial applications.

### FEATURES:

- Unsupported adhesive
- Multipurpose HPA™ high performance acrylic adhesive
- Polyester film release liner
- UL 969 recognized component

### BENEFITS:

- Highly conformable to curved or irregular surfaces
- High holding power to high and medium surface energy materials
- Excellent resistance to solvents and heat
- Excellent moisture stability and die cutting properties with good converting performance



### CONSTRUCTION:

#### Liner:

2 mil Clear PET

#### Adhesive:

HPA™ High Performance Acrylic

**HPA 1905 PET**

| Adhesive Properties:         |             | Typical Values |      |             |
|------------------------------|-------------|----------------|------|-------------|
| Thickness                    | ASTM D-3652 | US mil         | mm   | micron (µm) |
| Liner                        |             | 2.0            | 0.05 | 50          |
|                              |             |                |      |             |
| Adhesive                     |             | 4.9            | 0.12 | 125         |
| Total Caliper without Liner: |             | 4.9            | 0.12 | 125         |
| Total Caliper:               |             | 6.9            | 0.18 | 175         |

| 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            |             |                                       | 4.5                       | 790       |
|               |             |                                       |                           |           |
|               |             |                                       |                           |           |
| ABS           |             |                                       | 4.5                       | 790       |
|               |             |                                       |                           |           |
|               |             |                                       |                           |           |
|               |             |                                       |                           |           |
|               |             |                                       |                           |           |
|               |             |                                       |                           |           |
|               |             |                                       |                           |           |

| LOOP TACK |         | Test Method(s): PSTC-16    |          |           |
|-----------|---------|----------------------------|----------|-----------|
| 2 mil PET | Initial | 20 in / min (508 mm / min) |          |           |
| Substrate |         |                            | Lbf / In | N / Meter |
| SS        |         |                            | 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           |             |                                       | 10,000       |  |
|              |             |                                       |              |  |
|              |             |                                       |              |  |
|              |             |                                       |              |  |
|              |             |                                       |              |  |

| TEMPERATURES                    | ° F    | ° C    |
|---------------------------------|--------|--------|
| Minimum Application Temperature | 50° F  | 10° C  |
| Minimum Service Temperature     | -40° F | -40° C |
| Maximum Service Temperature     | 400° F | 205° 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.

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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