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Technical Data Sheet



## HPA™ 1905 PET

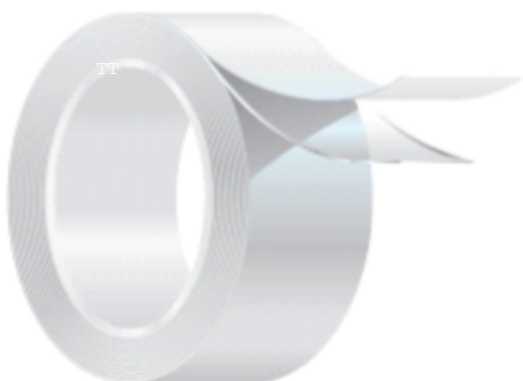
HPA™ 1905 PET is a 4.9 mil transfer tape with a high performance acrylic adhesive and a polyester release liner. It bonds well to medium and high surface energy plastics and metals. HPA™ 1905 PET is commonly used for signage and graphics and general industrial applications.

### 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
- Two-year warranty



### CONSTRUCTION:

#### Liner:

2 mil Clear PET

#### Adhesive:

HPA™ High Performance Acrylic (HPA™)



Performance  
Tapes

**HPA™ 1905 PET**

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		2.0	0.05	51
Adhesive		4.9	0.12	124
Total Caliper without Liner:		4.9	0.12	124
Total Caliper:		6.9	0.18	175

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	72 hr dwell	4.5	792	
ABS	72 hr dwell	4.5	792	

Loop Tack		ASTM D6195		
180° 24 in (508 mm) / min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	Initial	6.0	1,057	

Static Shear		ASTM D3654		
180° 1" sq (6.5 cm2) 1000 g @ Room Temp				
Substrate		Min to Fail		
SS	24 hr dwell	> 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**

- Two years 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 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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