



HPA™ 1905

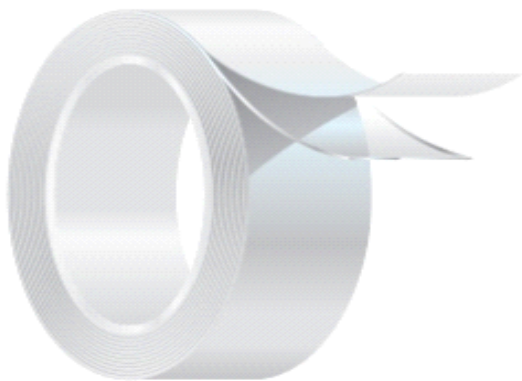
Avery Dennison™ HPA™ 1905 is a 4.9 mil transfer tape with a high performance acrylic adhesive. It bonds well to medium and high surface energy plastics and metals. HPA™ 1905 is commonly used for signage and graphics and general industrial applications.

FEATURES

- Unsupported adhesive
- Multipurpose HPA™ high performance acrylic adhesive
- Poly coated kraft 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
- Good moisture stability and lay flat properties
- Two-year warranty



CONSTRUCTION:

Liner:

84# Natural Poly Coated Kraft (Printed)

Adhesive:

HPA™ High Performance Acrylic (HPA™)

HPA™ 1905

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		5.6	0.14	142
Adhesive		4.9	0.12	124
Total Caliper without Liner:		4.9	0.12	124
Total Caliper:		10.5	0.27	267

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

Loop Tack		ASTM D6195	
180° 23 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](https://www.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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