



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.

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