

TECHNICAL DATA SHEET

Avery Dennison™ HPA 1903W 

FEATURES

- Cross-linked high performance acrylic adhesive
- Cohesive adhesive layer
- Polyethylene protected liner
- Easy release liner

BENEFITS

- Provides a very high temperature resistance and a high chemical, UV- and moisture resistance
- Facilitates slitting and conversion
- Combines a high degree of moisture stability with excellent die-cutting properties
- Enables smooth removal during application



CONSTRUCTION

Liner: White polyethylene protected paper

Adhesive: Cross-linked acrylic adhesive

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)	US Mils	MM's	Micron's (µm)
Liner	4.92	0.125	125
Adhesive	1.57	0.040	40
Total Caliper	6.50	0.165	165
PEEL ADHESION (ASTM D3330) 180° (12") 300 mm / min @ Room Temp /72 hr			
SUBSTRATE		Lbf / in	N / Meter
Stainless Steel		2.76	484
ABS		2.91	510
Polypropylene		1.46	256
LOOP TACK (ASTM D6195) (12") 300 mm / min @ Room Temp			
SUBSTRATE		Lbf / in	N / Meter
Stainless Steel	Initial	2.98	400
Finat tack	Initial	2.98	400
STATIC SHEAR (ASTM D3654) 1"sq (6.25 cm²) 1000 g @ Room Temp			
SUBSTRATE		Min to Fail	
Stainless Steel		> 10.000 min	
TEMPERATURES		°F	°C
Minimum Application Temperature		50 °F	10 °C
Minimum Service Temperature		-40 °F	-40 °C
Maximum Service Temperature		392 °F	200 °C

Note: The listed values are typical only 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.

For more information on our bonding tapes and adhesive solutions, call us:

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