

## TECHNICAL DATA SHEET

### Avery Dennison™ HPA 2922

#### FEATURES

- Highly engineered modified acrylic adhesive
- Specially developed cross-linking system
- Easy release polyethylene protected liner

#### BENEFITS

- Ensures an immediate initial adhesion on wide range substrates, especially plastics
- Outstanding resistance to solvents, chemicals, plasticizers, moisture, temperature and UVlight
- High temperature holding power
- Excellent adhesion on wide range of substrates, including LSE surfaces
- Facilitates easy removal at point of application
- Combines a high degree of moisture stability with excellent die-cutting properties



#### CONSTRUCTION

**Liner:** White polyethylene protected paper with red “Avery Dennison” imprint.

**Adhesive:** Modified acrylic adhesive

**Carrier:** HPA 2922 is a 50 micron unsupported adhesive film



Performance  
Tapes

## Adhesive Properties

## Typical Values

THICKNESS (ASTM D3652)		US Mils	MM's	Micron's (µm)
Liner		4.92	0.125	125
Adhesive		1.97	0.050	50
Total Caliper		6.89	0.175	175
<b>PEEL ADHESION (ASTM D3330)</b>				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / 25 MM
Stainless Steel	20 min/24 hr dwell	2.86 / 4.27	46 / 68	12.5 / 18.7
Polycarbonate	20 min/24 hr dwell	3.14 / 3.13	550 / 548	13.75 / 13.7
Polyethylene	20 min/24 hr dwell	2.28 / 2.51	37 / 40	10 / 11
Rigid Polypropylene	20 min/24 hr dwell	2.28 / 3.77	37 / 60	10 / 16.5
PMMA	20min/24 hr dwell	3.65 / 3.65	58 / 58	16 / 16
ABS	20min/24 hr dwell	3.43 / 4.27	55 / 68	15 / 18.7
<b>LOOP TACK (ASTM D6195)</b>				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Glass	Initial	5.94	95	26
<b>STATIC SHEAR (ASTM D3654)</b>				
1"sq (6.25 cm <sup>2</sup> ) 1000 g @ Room Temp				
SUBSTRATE		Min to Fail		
Stainless Steel	Initial	> 10.000 min		
TEMPERATURES		°F	°C	
Application (minimum)		50 °F	+10 °C	
Service (continuous)		-40 °F	-40 °C to +130 °C	
Short term		266°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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