

## TECHNICAL DATA SHEET

### Avery Dennison™ FT Y1092

#### FEATURES

- Cross-linked engineered acrylic adhesive
- Uniform adhesive thickness
- Flexible adhesive film
- Easy release liner

#### BENEFITS

- Consistent application performance
- Good conformability to flat or curved surfaces
- Excellent resistance to solvents, chemicals, plasticizers, moisture, temperature and UV-light
- High degree of transparency
- Facilitates easy removal at point of application



#### CONSTRUCTION

**Liner:** Havana (yellow/brown) coloured glassine

**Adhesive:** Acrylic adhesive

**Adhesive Properties**

**Typical Values**

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		2.95	0.075	75
Adhesive		0.98	0.025	25
Total Caliper		3.94	0.100	100
<b>PEEL ADHESION (ASTM D3330)</b>				
180° (12") 300 mm / min @ Room Temp				
<b>SUBSTRATE</b>		<b>Lbf / in</b>	<b>US Oz / In</b>	<b>N / Meter</b>
Stainless Steel	20 min dwell	2.28	37	400
	24 hr dwell	2.40	38	420
Polycarbonate	20 min dwell	1.88	30	330
	24 hr dwell	2.17	35	380
Painted Steel	20 min dwell	2.00	32	350
	24 hr dwell	2.17	35	380
Rigid Polypropylene	20 min dwell	0.91	15	160
	24 hr dwell	1.08	17	190
<b>LOOP TACK (ASTM D6195)</b>				
(12") 300 mm / min @ Room Temp				
<b>SUBSTRATE</b>		<b>Lbf / in</b>	<b>US Oz / In</b>	<b>N / Meter</b>
Glass	Initial	3.2	52	570
<b>STATIC SHEAR (ASTM D3654)</b>				
1"sq (6.25 cm <sup>2</sup> ) 2500 g @ Room Temp				
<b>SUBSTRATE</b>		<b>Min to Fail</b>		
Stainless Steel	Initial	> 2500		
<b>TEMPERATURES</b>			<b>°F</b>	<b>°C</b>
Minimum Application Temperature			50 °F	10 °C
Minimum Service Temperature			-40 °F	-40 °C
Maximum Service Temperature			284 °F	140 °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:**

**North America:** +1 866 462 8379

**Asia Pacific:** +86 512 57155001

**Europe:** +32 (0)14 40 48 11

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