

## TECHNICAL DATA SHEET

Avery Dennison™ FT 7331 is a double coated white pet construction with a solvent acrylic pure adhesive used for nameplates, membrane touch switch applications and graphic overlays.

### FEATURES

- Pure acrylic adhesive
- White polyester carrier
- Controlled adhesive thickness
- Very smooth adhesive layer
- PPP liner

### BENEFITS

- Provides excellent temperature resistance, UV-, chemical and moisture resistance and transparency- most transparent adhesive
- Good blocking out characteristics, opacity saves additional subsurface printing step
- Low shrinkage even when subjected to elevated temperature
- Very flat surface appearance of the total laminate
- Exceptional resistance to corrosion



### CONSTRUCTION

**Liner:** White polyethylene protected paper

**Adhesive:** Pure acrylic adhesive

**Carrier:** Clear PET film

**Adhesive 2:** Pure acrylic adhesive



Performance  
Tapes

## Adhesive Properties

## Typical Values

THICKNESS (ASTM D3652)		US Mil's	MM's	Micron's (µm)
Liner		4.92	0.125	125
Carrier & Adhesive		3.43	0.087	87
Total Caliper		8.35	0.212	212
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell			
	24 hr dwell	3.25	42	570
Polycarbonate	20 min dwell			
	24 hr dwell	3.93	63	690
Painted Steel	20 min dwell			
	24 hr dwell	3.02	48	530
Rigid Polypropylene	20 min dwell			
	24 hr dwell	1.71	27	300
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Glass	Initial	4	64	700
DYNAMIC SHEAR (ASTM D- 1002)				
1"sq (6.25 cm <sup>2</sup> ) 2mm / min @ Room Temp				
SUBSTRATE		Lbf / in <sup>2</sup>		kPa
Stainless Steel	Initial	101		695
TEMPERATURES			°F	°C
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:

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[www.tapes.averydennison.com](http://www.tapes.averydennison.com)