

TECHNICAL DATA SHEET

Avery Dennison™ FT 21305 is a 5mil transfer tape with an advanced acrylic adhesive and a glassine liner containing recycled content. It offers low VOC and fogging performance and broad temperature compatibility. It is resistant to solvents, chemicals, plasticizers, and UV and it ensures reliable adhesion. It shows good adhesion on metal and medium or high surface energy substrates and is used for assembly applications requiring high temp resistance and low VOC.

FEATURES

- Advanced pure acrylic adhesive
- APEO free adhesive
- Low VOC and Fogging performance
- Easy release glassine liner
- Broad range of service temperatures

BENEFITS

- Excellent resistance to solvents, chemicals, plasticizers, temperature and UV light
- Good resistance to moisture
- Good conformability to flat or curved surfaces
- Immediate initial adhesion for part placement
- Excellent water jet and die cutting characteristics



CONSTRUCTION

Liner: Glassine, natural liner with recycled content

Adhesive: Pure acrylic



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mils	MM's	Micron's (µm)
Liner		2.95	0.075	75
Adhesive		4.92	0.125	125
Total Caliper		7.87	0.200	200
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell	3.04	49	532
	24 hr dwell	4.07	65	712
Polycarbonate	20 min dwell	5.32	85	932
	24 hr dwell	5.25	84	920
Painted Steel	20 min dwell			
	24 hr dwell			
Polypropylene	20 min dwell	1.48	24	260
	24 hr dwell	1.62	26	284
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
SS	Initial	3.17	51	556
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE		Minutes to Fail		
Stainless Steel	Initial	> 10000		
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 with all pressure-sensitive tapes the application surface is clean, dry and free of grease and oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (firm / 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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