

TECHNICAL DATA SHEET

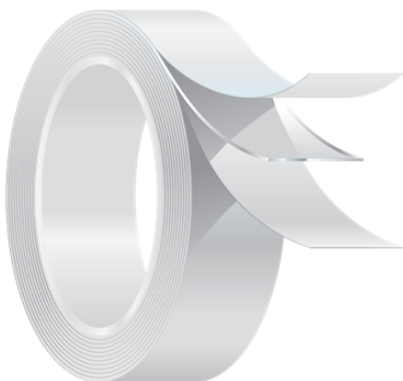
Avery Dennison™ FT 31016 is an acrylic based adhesive transfer tape that provides good temperature and chemical resistance and is suitable for applications requiring high clarity.

FEATURES

- UV Stable Pure Acrylic Adhesive
- Adhesive protected on one side with a 106 gr polycoated kraft paper liner and on the other side with a 100 μ translucent PE film.
- Automotive approval: Suitable for car licence plate constructions that conform with British Standard BS AU145e.

BENEFITS

- Medium tack and peel properties and high shear resistance on medium to high surface energy materials such as aluminium and steel, acrylics, polyesters and polycarbonates.
- For applications where high clarity is required: e.g signage and graphic displays, taxi & car number plates, passports, etc.
- The PE liner is visible on the product due to the matt finish and it has less issues with statics when removing for easier manual handling
- Resistant to water, detergents, alcohol, aliphatic and some aromatic hydrocarbons. Medium resistance to plasticizers and high outdoor resistance. Not recommended for use in contact with ketones, esters or chlorinated hydrocarbons.
- Excellent resistance to yellowing and other detrimental effects from extended sunlight exposure.



CONSTRUCTION

- **Liner:** White PE-protected paper
- **Adhesive:** pure Acrylic
- **Liner:** 100 μ translucent PE film

Adhesive Properties**Typical Values**

THICKNESS (ASTM D3652)		US Mils	MM's	Micron's (µm)
Liner				
Adhesive		1.97	0.05	50
Liner 2				
Total Caliper				
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE			Lbf / in	N / Meter
Stainless Steel	20 min dwell		3.98	450
	24 hr dwell		4.56	515
Polycarbonate	20 min dwell		4.96	560
	24 hr dwell		5.63	636
PMMA	20 min dwell		3.54	400
	24 hr dwell		3.98	450
Polypropylene	20 min dwell		1.42	160
	24 hr dwell		1.77	200
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE			Lbf / in	N / Meter
Glass	Initial		3.36	380
STATIC SHEAR (ASTM D3654)				
1"sq (6.25 cm ²) 1000 g @ Room Temp				
SUBSTRATE			Min to Fail	
Stainless Steel	Initial		> 10,000	
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.



Performance
Tapes