

TECHNICAL DATA SHEET

Avery Dennison™ FT 0900X is a 36 mil single coated black flock with a high performance low VOC acrylic adhesive. The adhesive bonds very well to low surface energy materials and the flock provides anti-squeak properties with high wear resistance. FT 0900X is commonly used in automotive applications and where low VOC properties are required.

FEATURES

- Single coated tape construction
- Low outgassing high performance modified acrylic adhesive
- Nylon flock facestock
- Poly coated kraft release liner

BENEFITS

- Functional tape that allows for die cutting
- Solvent free adhesive with good adhesion to low surface energy materials
- Good heat resistance
- High abrasion resistance and NVH reduction
- Good moisture stability and lay flat properties
- Two-year warranty



CONSTRUCTION

Liner: 82# Natural Poly Coated Kraft

Adhesive: Low VOC Acrylic

Carrier: Flock



Performance
Tapes

Adhesive Properties

Typical Values

THICKNESS (ASTM D3652)		US Mils	MM's	Micron's (µm)
Liner		5.8	0.15	147
Adhesive		.48	0.12	122
Carrier		31.0	0.79	787
Total Caliper without Liner		35.8	0.91	909
Total Caliper		41.6	1.06	1057
PEEL ADHESION (ASTM D3330)				
180° (12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	20 min dwell			
	72 hr dwell	9.0		1,585
Polycarbonate	20 min dwell			
	72 hr dwell	10.0		1,761
Painted Steel	20 min dwell			
	24 hr dwell			
Polypropylene				
20 min dwell				
LOOP TACK (ASTM D6195)				
(12") 300 mm / min @ Room Temp				
SUBSTRATE		Lbf / in	US Oz / In	N / Meter
Stainless Steel	Initial	3.5		616
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		350 °F	175 °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