



FT 1149X

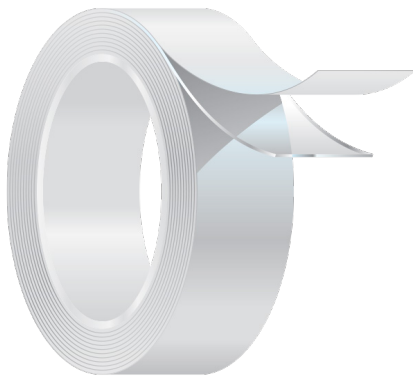
Avery Dennison FT 1149X is a 5.0 mil transfer tape with a high performance low VOC modified acrylic adhesive. It bonds very well to low surface energy materials and features good foam bonding properties and high heat resistance. FT 1149X is commonly used in automotive applications and where low VOC properties are required.

FEATURES:

- Unsupported adhesive
- Low outgassing high performance modified acrylic adhesive
- Poly coated kraft release liner

BENEFITS:

- Highly conformable to curved or irregular surfaces
- Solvent free adhesive with good foam bonding performance
- Good heat resistance
- Good moisture stability and lay flat properties



CONSTRUCTION:

Liner:

82# Natural Poly Coated Kraft

Adhesive:

Low VOC Acrylic

FT 1149X

Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	US mil	mm	micron (µm)
Liner		5.8	0.15	145
Adhesive		5.0	0.13	125
Total Caliper without Liner:		5.0	0.13	125
Total Caliper:		10.8	0.27	270

PEEL ADHESION		Test Method(s): PSTC-101, ASTM D-3330		
2 mil PET 72 hr dwell 180° 12 in /min (305 mm / min)				
Substrate		Lbf / In	N / Meter	
SS		10.0	1,750	
ABS		10.0	1,750	

LOOP TACK		Test Method(s): PSTC-16		
2 mil PET Initial 20 in / min (508 mm / min)				
Substrate		Lbf / In	N / Meter	
SS		5.0	880	

STATIC SHEAR		Test Method(s): PSTC-107, ASTM D 3654		
2 mil PET 72 hr dwell 1" sq (6.5 cm2) 1000 g				
Substrate		Mins to Fail		
SS		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

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

- One year when stored at 64-72°F (18-22°C) / 30-70% relative humidity, out of direct sunlight and in original packaging.

Please refer to Tapes.AveryDennison.com for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

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