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Technical Data Sheet



FT 1149X

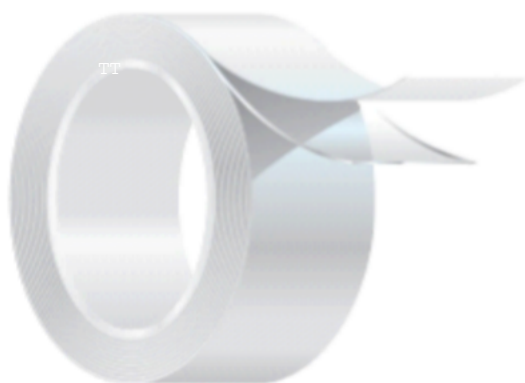
FT 1149X is a 5.0 mil transfer tape with a high performance low VOC modified acrylic adhesive. It bonds very well to low surface energy materials and features good foam bonding properties and high heat resistance. FT 1149X is commonly used in automotive applications and where low VOC properties are required.

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
- Two-year warranty



CONSTRUCTION:

Liner:

82# Natural Poly Coated Kraft

Adhesive:

Low VOC Acrylic



Performance
Tapes

FT 1149X

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US MILs	MM's	Micron's (µm)
Liner		5.8	0.15	147
Adhesive		5.0	0.13	127
Total Caliper without Liner:		5.0	0.13	127
Total Caliper:		10.8	0.27	274

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	72 hr dwell	10.0	1,761	

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180° 12 in (300 mm) min @ Room Temp				
Substrate		Lbf / in	N / Meter	
ABS	72 hr dwell	10.0	1,761	

Loop Tack		ASTM D6195		
180° 20 in (508 mm) / min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	Initial	5.0	881	

Static Shear		ASTM D3654		
180° 1" sq (6.5 cm2) 500 g @ Room Temp				
Substrate		Min to Fail		
SS	Liner 24 hr dwell	> 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

THE LISTED VALUES ARE TYPICAL 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.

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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Performance
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