



FT 1149X 12 Pt Board

Avery Dennison FT 1149X 12 Pt Board is a 5.0 mil transfer tape with a high performance low VOC modified acrylic adhesive and a heavy board release liner. It bonds very well to low surface energy materials and features good foam bonding properties and high heat resistance. FT 1149X 12 Pt Board is commonly used in automotive applications and where low VOC properties are required.

FEATURES:

- Unsupported adhesive
- Low outgassing high performance modified acrylic adhesive
- 12 point poly coated kraft board release liner

BENEFITS:

- Highly conformable to curved or irregular surfaces
- Solvent free adhesive with good foam bonding performance
- Good heat resistance
- Heavyweight and stiffness allow for easy handling



CONSTRUCTION:

Liner:

Natural 12 Pt Board

Adhesive:

Low VOC Acrylic

FT 1149X 12 Pt Board

Adhesive Properties:		Typical Values		
Thickness	ASTM D-3652	US mil	mm	micron (µm)
Liner		12.5	0.32	320
Adhesive		5.0	0.13	125
Total Caliper without Liner:		5.0	0.13	125
Total Caliper:		17.5	0.44	445

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	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)	500 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.

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