



FT 1149X PET

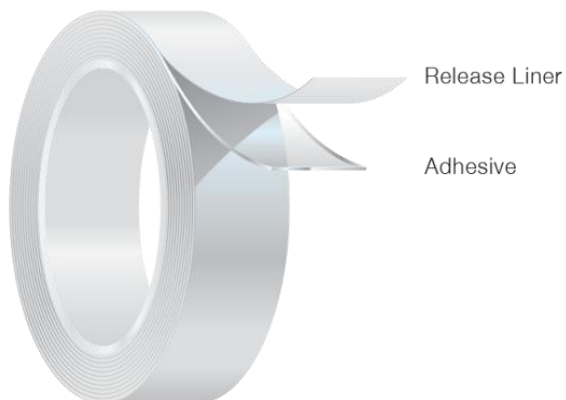
FT 1149X PET was designed for applications requiring high adhesion to low surface energy materials and to foams and fabrics where low fogging is required.

FEATURES:

- Very aggressive acrylic adhesive
- Low fogging qualities
- Thick transfer tape
- PET release liner for improved handling and die cutting properties

BENEFITS:

- High adhesion to low surface energy plastics
- High initial tack
- Excellent bond to foams and fabrics
- Meets OEM fogging and flammability specifications
- Does not contain any of the 13 chemicals restricted by the Japanese Ministry of Health, Labor and Welfare



CONSTRUCTION:

Liner:

Polyester

Adhesive:

Acrylic

FT 1149X PET

Adhesive Properties:		Typical Values		
Thickness	Test Method(s): PSTC-133	US Mil's	MM's	Microns (µm)
Liner:		2.0	0.05	51
Adhesive:		4.5	0.11	114
Total Caliper:		6.5	0.17	165

PEEL ADHESION		Test Method(s): PSTC-101, ASTM D-3330, STD-10		
2 mil PET	Initial 180° 12" min			
Substrate		Lbf / In	US Oz / In	N / Meter
SS		8.5	136	1488
ABS		10.8	173	1891
PP		4.1	66	718
Talc PP		5.1	82	893
HDPE		2.8	45	490
TPO		9.2	147	1611
Painted Metal		10.2	163	1786
PPG Carbamate		10.0	160	1751
Aluminum		5.1	82	893

PEEL ADHESION		Test Method(s): PSTC-101, ASTM D-3330, STD-10		
2 mil PET	24 hr dwell 180° 12" min			
Substrate		Lbf / in		
EPDM Foam	Laminated @ 200°F and 50% compression		Foam Tear	
Nitrile Vinyl Foam	Laminated @ 200°F and 50% compression		Foam Tear	
EVA foam	Laminated @ 200°F and 50% compression		Foam Tear	
Polyethylene Foam	Laminated @ 200°F and 50% compression		Foam Tear	
PET Foam	Laminated @ 200°F and 50% compression		Foam Tear	
PEU Foam	Laminated @ 200°F and 50% compression		Foam Tear	

FLAMMABILITY		Test Method(s): FMVSS 49 CFR 571 302 09		
Flock	mm / 60 s mm			
Substrate		Spec	mm	
ABS		< 100	< B25	
Polypropylene		< 100	< B25	
TPO		< 100	< B25	
Painted Metal		< 100	EBRTZ	

FOGGING		Test Method(s): SAE J1756 06		
Flock		Spec	Units - 1 hr	Units - 16 hrs
3 hrs @ 100°C, 21°C Cooling		> 60	-	99
6 hrs @ 85°C, 38°C Cooling		> 60	-	100

TEMPERATURES	° F	° C
Min Application Temp	50 ° F	10 ° C
Max Continuous Operating Temp	200 ° F	93 ° C
Max Intermittent Operating Temp	250 ° F	121 ° 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

- 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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