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PRODUCT: FT 1149X  
SUPPORT: 6.25 MM BLACK FELT  
SUBSTRATE: TPO MIC BLACK  
CERT NO.: 230103 - 1200

FCA PF-10770  
OEM Rev Date: Feb 15  
Adhesion - PSA, Cellular and Fibrous Materials  
Table 2 Flexible Composites



\*\* FCA 2015 Revision Requirements Are for Steel, Plastic Requirements to be Determined

**TAPE REQUIREMENTS:**

SECTION: 3.0 Heat Resistance	LP-463-TB-03*	<u>Specification</u>	<u>Results</u>	<u>Status</u>
2.2, Initial, 2 hrs @ RT		No Adhesion Loss or Lifting	Stable, No Lift or Adhesion Loss	Pass
SECTION: 3.0 Heat Resistance	LP-463-CB-10*	<u>Specification</u>	<u>Results</u>	<u>Status</u>
2.2, Heat Resistance, 168 hrs @ 79°C		No Adhesion Loss or Lifting	Stable, No Lift or Adhesion Loss	Pass
SECTION: 3.0 Heat Resistance	LP-463-CB-10*	<u>Specification</u>	<u>Results</u>	<u>Status</u>
2.2, Heat Resistance, 8 hrs @ 93°C"		No Adhesion Loss or Lifting	Stable, No Lift or Adhesion Loss	Pass
SECTION: 3.0 Heat Resistance		<u>Specification</u>	<u>Results</u>	<u>Status</u>
2.2, 24 hrs Water Immersion		No Adhesion Loss or Lifting	Stable, No Lift or Adhesion Loss	Pass
SECTION: 3.0 Heat Resistance	ASTM D1735	<u>Specification</u>	<u>Results</u>	<u>Status</u>
2.2, Cycles (5x)		No Adhesion Loss or Lifting	Stable, No Lift or Adhesion Loss	Pass
	72 hrs @ 70°C			
	24 hrs @ 38°C / 95% RH			
	24 hrs @ -29°C			
SECTION: 3.0 Peel Adhesion	LP-463-TB-03*	<u>Specification</u>	<u>Results</u>	<u>Status</u>
3.0, Adhesion, Initial, 2 hrs @ RT		0.9 N / cm	3.7	Pass
SECTION: 3.0 Peel Adhesion	LP-463-CB-10*	<u>Specification</u>	<u>Results</u>	<u>Status</u>
3.0, Adhesion, 168 hrs @ 79°C		3.3 N / cm	10.0	Pass
SECTION: 3.0 Peel Adhesion	LP-463-CB-10*	<u>Specification</u>	<u>Results</u>	<u>Status</u>
3.0, Adhesion, 8 hrs @ 93°C		3.3 N / cm	15.8	Pass
SECTION: 3.0 Peel Adhesion		<u>Specification</u>	<u>Results</u>	<u>Status</u>
3.0, Adhesion, 24 hr Water Immersion		3.3 N / cm	5.1	Pass
SECTION: 3.0 Peel Adhesion	ASTM D1735	<u>Specification</u>	<u>Results</u>	<u>Status</u>
3.0, Adhesion, Cycles (5x)		3.3 N / cm	9.9	Pass
	Adhesion, Cycles (5x)			
	72 hrs @ 70°C			
	24 hrs @ 38°C / 95% RH			

CERTIFIED BY:

Dave Nichols Jr, Automotive Lab Technician

ISSUE DATE:

1-1-25

Materials tested to OEM requirements @ 72°F +/- 2°F and 50% RH +/- 5%. Test uncertainty and minor exclusions are available online or upon request

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Status opinion based upon measurements obtained by personnel with appropriate training and professional experience.

This laboratory is not accredited for the calibrations or tests marked \*.