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TEST REPORT

PRODUCT: FT 1123
SUPPORT: 5 MIL UHMWPE
SUBSTRATE: TPO
CERT NO.: 221216 - 0950



GMW 16879 Type I Cycle M

OEM Rev Date: May 18

Performance Requirements of Ultra High Molecular Weight Polyethylene (UHMW PE) Tape

Type I material is UHMWPE film coated with a permanent acrylic PSA

Initial

TAPE REQUIREMENTS:

Table 1 Performance Requirements

PROPERTIES: Liner Removal	ISO 8510-2	<u>Specification</u>	<u>Results</u>	<u>Status</u>
Liner Removal, Initial @ RT		200 N / m	25.1	Pass
PROPERTIES: Peel Adhesion	ISO 8510-2	<u>Specification</u>	<u>Results</u>	<u>Status</u>
Peel Adhesion, Aged, 72 hrs @ RT		350 N / m	1095.1	Pass
Peel Adhesion, Humidity, 24 hrs @ 38°C / 95% RH		350 N / m	1122.0	Pass
Peel Adhesion, Aged, 168 hrs @ 70°C		350 N / m	1168.7	Pass
Cycles 2X, GMW 14124 Cycle M		350 N / m	1161.1	Pass
23 hrs @ 40°C / 95% RH				
1 hr @ RT				
24 hrs @ 85°C				
1 hr @ RT				
4 hrs @ -30°C				
1 hr @ RT				
PROPERTIES: Dynamic Shear		<u>Specification</u>	<u>Results</u>	<u>Status</u>
Dynamic Shear, Aged, 72 hrs @ RT		200 kPa	155 Tear	Pass
PROPERTIES: Tensile Strength	GMW3010*	<u>Specification</u>	<u>Results</u>	<u>Status</u>
Tensile Strength, Initial, Maximum Force		15 MPa min	35.0	Pass
Tensile Strength, After 168 hr aging @ 70°C		70 MPa max	31.3 Tear	Pass
PROPERTIES: Elongation	GMW3010*	<u>Specification</u>	<u>Results</u>	<u>Status</u>
Elongation, Initial, @ Maximum Force		150 % min	378.6	Pass
Elongation, After 168 hr aging @ 70°C		50 % min	335.2	Pass
PROPERTIES: Fogging	GMW3235, Method A*	<u>Specification</u>	<u>Results</u>	<u>Status</u>
Fogging, 6 hrs @ 85°C, 38°C Cooling, 16 hrs @ RT		60 Units	100.1	Pass
PROPERTIES: Flammability	GMW3232*	<u>Specification</u>	<u>Results</u>	<u>Status</u>
Flammability, Initial, Component		< 100 mm / min	SE	Pass

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 *.