



250 Chester Street  
Painesville, Ohio 44077  
Phone: 866-GO-AVERY (866-462-8379)  
Fax: 888-358-4469  
email: [psa.tape@averydennison.com](mailto:psa.tape@averydennison.com)  
URL: [tapes.averydennison.com](http://tapes.averydennison.com)

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