



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

TEST REPORT

PRODUCT: FT 1123
SUPPORT: 5 MIL UHMWPE
SUBSTRATE: PP
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	1098.0	Pass
Peel Adhesion, Humidity, 24 hrs @ 38°C / 95% RH		350 N / m	1103.9	Pass
Peel Adhesion, Aged, 168 hrs @ 70°C		350 N / m	1138.9	Pass
Cycles 2X, GMW 14124 Cycle M		350 N / m	1131.9	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	< B 25	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.

This certificate or report shall not be reproduced except in full, without the written approval of the Avery Dennison Performance Tapes.

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 *.