



TEST REPORT

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**

PRODUCT: **HPA 1905**
SUPPORT: **5 MIL BLACK UHMWPE**
SUBSTRATE: **ACRYLIC**
STD CERT NO.: **221216 - 0950**



GMW 16879 TYPE I CYCLE M

OEM Rev Date: May 18

Performance Requirements of Ultra High Molecular Weight Polyethylene (UHMWPE) Tape
Type I material is UHMWPE film coated with a permanent acrylic PSA
Initial

TAPE REQUIREMENTS:

Table 1 Performance Requirements

PROPERTIES: Liner Removal Liner Removal, Initial @ RT	ISO 8510-2	<u>Specification</u> 200 N / m	<u>Results</u> 22.2	<u>Status</u> Pass
PROPERTIES: Peel Adhesion Peel Adhesion, Aged, 72 hrs @ RT	ISO 8510-2	<u>Specification</u> 350 N / m	<u>Results</u> 844.1	<u>Status</u> Pass
Peel Adhesion, Humidity, 24 hrs @ 38°C / 95% RH		350 N / m	925.8	Pass
Peel Adhesion, Aged, 168 hrs @ 70°C		350 N / m	1014.6	Pass
Cycles 2X, GMW 14124 Cycle M 24 hrs @ 40°C / 95% RH 1 hr @ RT 24 hrs @ 85°C 1 hr @ RT 4 hrs @ -30°C 1 hr @ RT		350 N / m	1004.1	Pass
PROPERTIES: Dynamic Shear Dynamic Shear, Aged, 72 hrs @ RT	GMW3010*	<u>Specification</u> 200 kPa	<u>Results</u> 167 Tearing	<u>Mode</u> CSP TEAR <u>Status</u> Pass
PROPERTIES: Tear Resistance Tear Resistance, Initial, Room Temp	ISO 34-1, Method B*	<u>Specification</u> 2 kg	<u>Results</u> Not Testec	<u>Mode</u> <u>Status</u> Not Tested
PROPERTIES: Tensile Strength Tensile Strength, Initial, Maximum Force	GMW3010*	<u>Specification</u> 15 MPa min	<u>Results</u> 12.2 Tear	<u>Mode</u> TEAR <u>Status</u> Pass
Tensile Strength, After 168 hr aging @ 70°C		MPa max	9.8 Tear	Pass
PROPERTIES: Elongation Elongation, Initial, @ Maximum Force	GMW3010*	<u>Specification</u> 150 % min	<u>Results</u> 370.4	<u>Status</u> Pass
Elongation, After 168 hr aging @ 70°C		50 % min	317.6	Pass
PROPERTIES: Fogging Fogging, 6 hrs @ 85°C, 38°C Cooling, 16 hrs @ RT	GMW3235, Method A	<u>Specification</u> 60 Units	<u>Results</u> 100.7	<u>Status</u> Pass
PROPERTIES: Flammability Flammability, Initial, Component	GMW3232*	<u>Specification</u> < 100 mm / min	<u>Results</u> < B 25	<u>Status</u> 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 *.