

888-358-4469

866-GO-AVERY (866-462-8379)

psa.tape@averydennison.com

stus.averydennison.com

250 Chester Street

Phone:

Fax: email:

URL:

Painesville, Ohio 44077

## TEST REPORT

PRODUCT: SUPPORT: SUBSTRATE: STD CERT NO .:

FT 1123 **5 MIL BLACK UHMWPE** PAINTED METAL 221216 - 0943



## 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     Liner Removal,   Initial @ RT | ISO 8510-2 | Specification<br>200 N / m | <u>Results</u><br>19.3   | <u>Status</u><br>Pass |
|--|------------|----------------------------|--------------------------|-----------------------|
| PROPERTIES: Peel Adhesion<br>Peel Adhesion, Aged, 72 hrs @ RT                                      | ISO 8510-2 | Specification<br>350 N / m | <u>Results</u><br>1154.1 | <u>Status</u><br>Pass |
| Peel Adhesion, Humidity, 24 hrs @ 38°C / §   | 95% RH     | 350 N/m                    | 1066.5                   | Pass                  |
| Peel Adhesion, Aged, 168 hrs @ 70°C  |            | 350 N/m                    | 1186.2                   | Pass                  |
| Cycles 2X, GMW 14124 Cycle M<br>23 hrs @ 40º   | C / 95% RH | 350 N / m                  | 1019.8                   | Pass                  |
| 1 hr @ RT  |            |                            |                          |                       |

<sup>24</sup> hrs @ 85°C 1 hr @ RT

<sup>1</sup> hr @ RT

| PROPERTIES: <b>Dynamic Shear</b>  | Specification             | <u>Results</u>          | <u>Mode</u> | <u>Status</u>         |
|---|---------------------------|-------------------------|-------------|-----------------------|
| Dynamic Shear, Aged, 72 hrs @ RT  | 200 kPa                   | 205.9                   | CSP         | Pass                  |
| PROPERTIES: <b>Tear Resistance</b>  | Specification             | Results                 | <u>Mode</u> | <u>Status</u>         |
| Tear Resistance, Initial, Room Temp   | 2 kg                      | 5.8                     | TEAR        | Pass                  |
| PROPERTIES: <b>Tensile Strength</b> GMW3010*  | Specification             | <u>Results</u>          | <u>Mode</u> | <u>Status</u>         |
| Tensile Strength, Initial, Maximum Force  | 15 MPa min                | 24.6                    | TEAR        | Pass                  |
| Tensile Strength, After 168 hr aging @ 70°C   | 50 MPa max                | 29.0                    | TEAR        | Pass                  |
| PROPERTIES: Elongation GMW3010*   | Specification             | <u>Results</u>          |             | <u>Status</u>         |
| Elongation, Initial, @ Maximum Force  | 150 % min                 | 268.6                   |             | Pass                  |
| Elongation, After 168 hr aging @ 70°C   | 50 % min                  | 314.3                   |             | Pass                  |
| PROPERTIES: Fogging GMW3235, Method A*   Fogging, 6 hrs @ 85°C, 38°C Cooling, 16 hrs @ RT | Specification<br>60 Units | <u>Results</u><br>100.7 |             | <u>Status</u><br>Pass |
| PROPERTIES: <b>Flammability</b> GMW3232*  | Specification             | <u>Results</u>          |             | <u>Status</u>         |
| Flammability, Initial, Component  | < 100 mm / min            | EBRZT                   |             | Pass                  |

ISSUE DATE:

1-1-24

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CERTIFIED BY: Dave Nichols Jr, Automotive Lab Techniclan

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 \*.

Avery Dennison Performance Tapes 250 Chester St. Painesville, Ohio 44077

Original Test Date: 10-28-2019

<sup>4</sup> hrs @ -30°C