TEST REPORT



250 Chester Street Painesville. Ohio 44077

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888-358-4469 Fax:

email: psa.tape@averydennison.com URL: tapes.averydennison.com

PRODUCT: FT 1943 PP SUPPORT: **5 MIL UHMWPE** SUBSTRATE: **ABS**

221216 - 0951 CERT NO .:



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

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

TAPE REQUIREMENTS:

Table 1 Performance Requirements Liner Removal PROPERTIES: Liner Removal, Initial @ RT

ISO 8510-2

Specification 200 N/m

Results 56.0

Status Pass

ACCREDITED

TESTING LABORATORY

PROPERTIES: **Peel Adhesion** Peel Adhesion, Aged, 72 hrs @ RT

ISO 8510-2

Specification 350 N/m 350 N/m

350 N/m

350 N/m

Results 1643.9

1758.3

1596.6

1127.8

Status **Pass**

Pass

Pass

Pass

Peel Adhesion, Humidity, 24 hrs @ 38°C / 95% RH

Peel Adhesion, Aged, 168 hrs @ 70°C

23 hrs @ 40°C / 95% RH

1 hr @ RT 24 hrs @ 85°C 1 hr @ RT 4 hrs @ -30°C 1 hr @ RT

> Specification 200 kPa

Results 164 Tear

Status Pass

Dynamic Shear, Aged, 72 hrs @ RT

PROPERTIES: **Tensile Strength** Tensile Strength, Initial, Maximum Force

Dynamic Shear

GMW3010*

Specification 15 MPa min Results 34.8

Status T Pass

т Pass

PROPERTIES:

PROPERTIES:

Elongation

Tensile Strength, After 168 hr aging @ 70°C

GMW3010*

Specification 150 % min

70 MPa max

Results 385.0

32.0

Status **Pass**

Pass

Elongation, Initial, @ Maximum Force

50 % min

347.5

PROPERTIES:

#REF!

Fogging

Elongation, After 168 hr aging @ 70°C

GMW3235, Method A* Fogging, 6 hrs @ 85°C, 38°C Cooling, 16 hrs @ RT

Specification 60 Units

Results 996

Status **Pass**

PROPERTIES:

Flammability Flammability, Initial, Component

GMW3232*

Specification < 100 mm / min Results < B 25

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Status Pass

CERTIFIED BY:

Dave Nichols Jr, Automotive Lab Technician

ISSUE DATE: 1-1-24

6-12-2018

Original Test Date:

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.