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TEST REPORT

PRODUCT: FT 1943 PP
SUPPORT: 5 MIL UHMWPE
SUBSTRATE: PP
CERT NO.: 221216 - 0951



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

200 N / m

Results

56.0

Status

Pass

PROPERTIES: **Peel Adhesion**

Peel Adhesion, Aged, 72 hrs @ RT

ISO 8510-2

Specification

350 N / m

Results

1713.3

Status

Pass

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

350 N / m

1680.1

Pass

Peel Adhesion, Aged, 168 hrs @ 70°C

350 N / m

1715.1

Pass

#REF!

350 N / m

1603.0

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**

Dynamic Shear, Aged, 72 hrs @ RT

Specification

200 kPa

Results

168 Tear

Status

Pass

PROPERTIES: **Tensile Strength**

Tensile Strength, Initial, Maximum Force

GMW3010*

Specification

15 MPa min

Results

34.8

Status

Pass

Tensile Strength, After 168 hr aging @ 70°C

70 MPa max

32.0

Pass

PROPERTIES: **Elongation**

Elongation, Initial, @ Maximum Force

GMW3010*

Specification

150 % min

Results

385.0

Status

Pass

Elongation, After 168 hr aging @ 70°C

50 % min

347.5

Pass

PROPERTIES: **Fogging**

Fogging, 6 hrs @ 85°C, 38°C Cooling, 16 hrs @ RT

GMW3235, Method A*

Specification

60 Units

Results

99.6

Status

Pass

PROPERTIES: **Flammability**

Flammability, Initial, Component

GMW3232*

Specification

< 100 mm / min

Results

< B 25

Status

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 *.