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TEST REPORT

PRODUCT: FT 1943 PP
SUPPORT: 5 MIL UHMWPE
SUBSTRATE: TPO
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:	Specification	Results	Status
PROPERTIES: Liner Removal Liner Removal, Initial @ RT	200 N / m	56.0	Pass
PROPERTIES: Peel Adhesion Peel Adhesion, Aged, 72 hrs @ RT	350 N / m	1722.1	Pass
Peel Adhesion, Humidity, 24 hrs @ 38°C / 95% RH	350 N / m	1827.7	Pass
Peel Adhesion, Aged, 168 hrs @ 70°C	350 N / m	1558.0	Pass
#REF!	350 N / m	1545.2	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	200 kPa	172 Tear	Pass
PROPERTIES: Tensile Strength Tensile Strength, Initial, Maximum Force	15 MPa min	34.8	T Pass
Tensile Strength, After 168 hr aging @ 70°C	70 MPa max	32.0	T Pass
PROPERTIES: Elongation Elongation, Initial, @ Maximum Force	150 % min	385.0	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* 60 Units	99.6	Pass
PROPERTIES: Flammability Flammability, Initial, Component	GMW3232* < 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.

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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 *.