



**TEST REPORT**

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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:		ISO 8510-2	<u>Specification</u>	<u>Results</u>	<u>Status</u>
<b>Liner Removal</b>			<b>200 N / m</b>	56.0	<b>Pass</b>
Liner Removal, Initial @ RT					
<b>Peel Adhesion</b>			<b>350 N / m</b>	1713.3	<b>Pass</b>
Peel Adhesion, Aged, 72 hrs @ RT					
Peel Adhesion, Humidity, 24 hrs @ 38°C / 95% RH			<b>350 N / m</b>	1680.1	<b>Pass</b>
Peel Adhesion, Aged, 168 hrs @ 70°C			<b>350 N / m</b>	1715.1	<b>Pass</b>
#REF!			<b>350 N / m</b>	1603.0	<b>Pass</b>
	23 hrs @ 40°C / 95% RH				
	1 hr @ RT				
	24 hrs @ 85°C				
	1 hr @ RT				
	4 hrs @ -30°C				
	1 hr @ RT				
<b>Dynamic Shear</b>			<b>200 kPa</b>	168 Tear	<b>Pass</b>
Dynamic Shear, Aged, 72 hrs @ RT					
<b>Tensile Strength</b>			<b>15 MPa min</b>	34.8	<b>Pass</b>
Tensile Strength, Initial, Maximum Force					
Tensile Strength, After 168 hr aging @ 70°C			<b>70 MPa max</b>	32.0	<b>Pass</b>
<b>Elongation</b>			<b>150 % min</b>	385.0	<b>Pass</b>
Elongation, Initial, @ Maximum Force					
Elongation, After 168 hr aging @ 70°C			<b>50 % min</b>	347.5	<b>Pass</b>
<b>Fogging</b>			<b>60 Units</b>	99.6	<b>Pass</b>
Fogging, 6 hrs @ 85°C, 38°C Cooling, 16 hrs @ RT					
<b>Flammability</b>			<b>&lt; 100 mm / min</b>	< B 25	<b>Pass</b>
Flammability, Initial, Component					

CERTIFIED BY:

Dave Nichols Jr, Automotive Lab Technician

ISSUE DATE:

1-1-24

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 \*.