	VERY ENNISON
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TEST REPORT

PRODUCT: FT 1903 SUPPORT: **5 MIL UHMWPE** ANSI National Accreditation Boa SUBSTRATE: 250 Chester Street PP ACCREDITED Painesville, Ohio 44077 STD CERT NO .: 250217 - 0921 TESTING LABORATORY 866-GO-AVERY (866-462-8379) Phone: GMW 16879 TYPE I CYCLE M Fax: 888-358-4469 email: psa.tape@averydennison.com OEM Rev Date: May 18 URL: tapes.averydennison.com Performance Requirements of Ultra High Molecular Weight Polyethylene (UHMWPE) Tape Type I material is UHMWPE film coated with a permanent acrylic PSA Initial TAPE REQUIREMENTS: **Table 1 Performance Requirements** PROPERTIES: **Liner Removal** ISO 8510-2 **Specification Results** Status Liner Removal, Initial @ RT 200 N/m 0.5 Pass PROPERTIES: **Peel Adhesion** ISO 8510-2 **Specification** Status **Results** Peel Adhesion, Aged, 72 hrs @ RT 350 N/m Pass 1072.4 Peel Adhesion, Humidity, 24 hrs @ 38ºC / 95% RH 350 N/m 1089.9 Pass Peel Adhesion, Aged, 168 hrs @ 70°C 851.4 350 N/m Pass Cycles 2X, GMW 14124 Cycle M 350 N/m 377.4 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	GMW3010*	Specification 200 kPa	<u>Results</u> 378.5	Mode SP	<u>Status</u> Pass
PROPERTIES: Tear Resistance,	Tear Resistance Initial, Room Temp	ISO 34-1, Method B*	Specification 2 kg	<u>Results</u> 3.9	<u>Mode</u> TEAR	<u>Status</u> Pass
PROPERTIES: Tensile Strength,	Tensile Strength Initial, Maximum Force	GMW3010*	<u>Specification</u> 15 MPa min	<u>Results</u> 38.8	<u>Mode</u> TEAR	<u>Status</u> Pass
Tensile Strength,	After 168 hr aging @ 70°C		8 MPa max	38.5	TEAR	Pass
PROPERTIES: Elongation, Initial	Elongation , @ Maximum Force	GMW3010*	Specification 150 % min	<u>Results</u> 603.1		<u>Status</u> Pass
Elongation, After	168 hr aging @ 70ºC		50 % min	599.1		Pass
PROPERTIES: Initial	Coefficient of Kinetic Friction*	ISO 8295	<u>Specification</u> ≤ 0.25 N/m	<u>Results</u> Not Tested		<u>Status</u> Not Tested
PROPERTIES: Fogging, 6 hrs @	Fogging 85°C, 38°C Cooling, 16 hrs	GMW3235, Method A @ RT	Specification 60 Units	<u>Results</u> 100.0		<u>Status</u> Pass
PROPERTIES: Flammability, Initi	Flammability al, Component	GMW3232*	Specification < 100 mm / min	<u>Results</u> SE < B 25		<u>Status</u> Pass

CERTIFIED BY:

David Nichols II, Automotive Lab Technician

ISSUE DATE:

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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

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