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TEST REPORT

PRODUCT: SUPPORT: SUBSTRATE: STD CERT NO .:

FT 1123 **5 MIL BLACK UHMWPE** PAINTED METAL 221216 - 0943



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	<u>Results</u> 19.3	<u>Status</u> Pass
PROPERTIES: Peel Adhesion Peel Adhesion, Aged, 72 hrs @ RT	ISO 8510-2	Specification 350 N / m	<u>Results</u> 1154.1	<u>Status</u> Pass
Peel Adhesion, Humidity, 24 hrs @ 38°C / §	95% RH	350 N/m	1066.5	Pass
Peel Adhesion, Aged, 168 hrs @ 70°C		350 N/m	1186.2	Pass
Cycles 2X, GMW 14124 Cycle M 23 hrs @ 40º	C / 95% RH	350 N / m	1019.8	Pass
1 hr @ RT				

²⁴ hrs @ 85°C 1 hr @ RT

¹ hr @ RT

PROPERTIES: Dynamic Shear	Specification	<u>Results</u>	<u>Mode</u>	<u>Status</u>
Dynamic Shear, Aged, 72 hrs @ RT	200 kPa	205.9	CSP	Pass
PROPERTIES: Tear Resistance	Specification	Results	<u>Mode</u>	<u>Status</u>
Tear Resistance, Initial, Room Temp	2 kg	5.8	TEAR	Pass
PROPERTIES: Tensile Strength GMW3010*	Specification	<u>Results</u>	<u>Mode</u>	<u>Status</u>
Tensile Strength, Initial, Maximum Force	15 MPa min	24.6	TEAR	Pass
Tensile Strength, After 168 hr aging @ 70°C	50 MPa max	29.0	TEAR	Pass
PROPERTIES: Elongation GMW3010*	Specification	<u>Results</u>		<u>Status</u>
Elongation, Initial, @ Maximum Force	150 % min	268.6		Pass
Elongation, After 168 hr aging @ 70°C	50 % min	314.3		Pass
PROPERTIES: Fogging GMW3235, Method A* Fogging, 6 hrs @ 85°C, 38°C Cooling, 16 hrs @ RT	Specification 60 Units	<u>Results</u> 100.7		<u>Status</u> Pass
PROPERTIES: Flammability GMW3232*	Specification	<u>Results</u>		<u>Status</u>
Flammability, Initial, Component	< 100 mm / min	EBRZT		Pass

ISSUE DATE:

1-1-24

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CERTIFIED BY: Dave Nichols Jr, Automotive Lab Techniclan

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

Original Test Date: 10-28-2019

⁴ hrs @ -30°C