TEST REPORT



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PRODUCT: FT 1150

SUPPORT: 5 MIL UHMWPE

SUBSTRATE: ABS

STD CERT NO.: 230217 - 1235

GMW 16879 TYPE I CYCLE M

OEM Rev Date: May 18

Performance Requirements of Ultra High Molecular Weight Polyethylene (UHMWPE) Tape

350 N/m

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 Status** Results Liner Removal, Initial @ RT 200 N/m 14.6 **Pass Peel Adhesion** PROPERTIES: ISO 8510-2 **Specification** Results **Status** Peel Adhesion, Aged, 72 hrs @ RT 350 N/m 681.2 **Pass** Peel Adhesion, Humidity, 24 hrs @ 38°C / 95% RH 350 N/m 868.0 **Pass** Peel Adhesion, Aged, 168 hrs @ 70°C 350 N/m 963.8 **Pass**

Cycles 2X, GMW 14124 Cycle M

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	Results 237.2		Status Pass
PROPERTIES: Tear Resistance Tear Resistance, Initial, Room Temp	ISO 34-1, Method B*	Specification 2 kg	Results 0.2	Mode TEAR	Status Pass
PROPERTIES: Tensile Strength Tensile Strength, Initial, Maximum Force	GMW3010*	Specification 15 MPa min	Results 18.2	Mode TEAR	Status Pass
Tensile Strength, After 168 hr aging @ 70°C		0 MPa max	21.6	TEAR	Pass
PROPERTIES: Elongation Elongation, Initial, @ Maximum Force	GMW3010*	Specification 150 % min	Results 150.8		Status Pass
Elongation, After 168 hr aging @ 70°C		50 % min	184.6		Pass
PROPERTIES: Fogging Fogging, 6 hrs @ 85°C, 38°C Cooling, 16 hrs (GMW3235, Method A	Specification 60 Units	Results 96.9		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: 1-1-24

1055.4

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.

ACCREDITED

TESTING LABORATORY

Pass