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TEST REPORT

PRODUCT: HPA 1905
SUPPORT: 5 MIL BLACK UHMWPE
SUBSTRATE: ACRYLIC
STD CERT NO.: 221216 - 0950

GMW 16879 TYPE I CYCLE M

OEM Rev Date: May 18

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:	TEST METHOD	Specification	Results	Status
Liner Removal	ISO 8510-2	200 N / m	22.2	Pass
Liner Removal, Initial @ RT				
Peel Adhesion	ISO 8510-2	350 N / m	844.1	Pass
Peel Adhesion, Aged, 72 hrs @ RT				
Peel Adhesion, Humidity, 24 hrs @ 38°C / 95% RH		350 N / m	925.8	Pass
Peel Adhesion, Aged, 168 hrs @ 70°C		350 N / m	1014.6	Pass
Cycles 2X, GMW 14124 Cycle M		350 N / m	1004.1	Pass
24 hrs @ 40°C / 95% RH				
1 hr @ RT				
24 hrs @ 85°C				
1 hr @ RT				
4 hrs @ -30°C				
1 hr @ RT				

PROPERTIES:	TEST METHOD	Specification	Results	Mode	Status
Dynamic Shear	GMW3010*	200 kPa	167 Tearing	CSP TEAR	Pass
Dynamic Shear, Aged, 72 hrs @ RT					
Tear Resistance	ISO 34-1, Method B*	2 kg	Not Tested	Mode	Not Tested
Tear Resistance, Initial, Room Temp					
Tensile Strength	GMW3010*	15 MPa min	12.2 Tear	TEAR	Pass
Tensile Strength, Initial, Maximum Force					
Tensile Strength, After 168 hr aging @ 70°C		MPa max	9.8 Tear	TEAR	Pass
Elongation	GMW3010*	150 % min	370.4	Mode	Pass
Elongation, Initial, @ Maximum Force					
Elongation, After 168 hr aging @ 70°C		50 % min	317.6		Pass
Fogging	GMW3235, Method A	60 Units	100.7	Mode	Pass
Fogging, 6 hrs @ 85°C, 38°C Cooling, 16 hrs @ RT					
Flammability	GMW3232*	< 100 mm / min	Results	Mode	Status
Flammability, Initial, Component			< 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.
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 *.