## **TEST REPORT**



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URL: tapes.averydennison.com PRODUCT: **BNW 2028L** SUPPORT: **FELT** SUBSTRATE:

230104 - 1454 CERT NO .:

FORD ESB M6G17-A

OEM Rev Date: Jul 12

Adhesion Requirements, PSA Antisqueak Flock

NOT FOR NEW DESIGN - NO REPLACMENT

TAPE REQUIREMENTS:					
SECTION:	3.5	Fogging,	Oil Bath		

3.5, Fogging, Oil Bath, 3 hrs @ 100°C, 21°C Cooling, 16 hrs @ R1		80 Units	100.2	Pass	
	SECTION: 3.6.1 Flock Fiber	As Reported By Supplier	<u>Specification</u>	Results	<u>Status</u>
	3.6.1, Flock Fiber, Type		100% Nylon	TBD	TBD
	3.6.1, Flock Fiber, Size		1.5 - 3.0 Denier	TBD	TBD
	3.6.1, Flock Fiber, Color		Black	TBD	TBD
	3.6.1, Flock Fiber, Method of Dyeing		Stock or Solution	TBD	TBD

**Specification** 

**Specification** 

FLTM BO 116-3\*

FLTM BN 108-4\*

SECTION: 3.6.2 Flock Adhesive

The adhesive shall be non-staining and shall be compatible in color with the flock fiber. The 3.6.2, Statement adhesive shall not become soft, tacky or exhibit blistering or delamination after any of the tests outlined in this specification, and shall be equal in other properties to the approved sample on

file in the Interior Materials Engineering Section.

SECTION: 3.6.3 Fabric	<u>Specification</u>	<u>Results</u>	<u>Status</u>
3.6.3, Composition	50% Synthetic	TBD	TBD
3.6.3, Construction	Woven or non-woven	TBD	TBD

SECTION: 3.6.4 Pressure Sensitive Adhesive

**Specification** Non-Staining, Heat Resistant and Suitable for a 3.6.4. Statement Variety of Substrates

SECTION: <b>3.7 Thickness</b> 3.7, Thickness, Flock	As Reported By Supplier	<b>Specification</b> SAE J882* <b>1.35 - 1.60 mm</b>	<u>Results</u> TBD	<u>Status</u> TBD
SECTION: 3.8 Loose Flock	As Reported By Supplier	Specification FLTM BN 108-8*	Results	Status

0.8 g/m2

No Excessive Lifting Of Flock Fibers Or

3.7, Loose Flock

SECTION: 3.9 Abrasion Resistance **Specification** FLTM BN 108-2\* Results 3.9.1, Dry Cycle, CS-10, 1000 g > 1500 Cycles > 1,500 3.9.2, Wet Cycle (15 min soak), CS-10, 500 g > 100 Cycles > 150 3.9.3, Heat Aged, 7 days @ 80°C, CS-10, 1000 g >1500 Cycles > 1,500

SECTION: 3.10 Scuffing Resistance As Reported By Supplier **Specification** 3.1, Scuffing Resistance, 900 g, "A" Head, 2000 Cycles

**Adhesive Peeling** SECTION: 3.11 Peel Adhesion **Specification** Results **ASTM D1000** Status 5 4 1 3.11.1, Initial, 20 mins @ RT 1.5 N / cm 3.6 **Pass Pass** 

3.11.2, High Temp, 7 days @ 82°C 1.5 N/cm 2.9 1.9 N/cm 3.11.3, Cycles (5X) 4 hrs @ 70°C 4.2 **Pass** 4 hrs @ 38°C / 95-100% RH

16 hrs @ -29C

SECTION: 3.12 Shear Adhesion Specification ASTM D1000 Results **Status** 3.12.1, Cold Shear, 24 hrs @ -18°C 183 kPa 422 1 **Pass** 3.12.2, Hot Shear, 24 hrs @ 60°C 101 kPa 403.6 **Pass** 

SECTION: 3.13 RH Resistance **Specification** Results | Status 5 4 1 Good, Stable, No Lifting No Adhesion Loss 3.13.1, 48 hrs @ 38°C / 95-100% RH **Pass** 

SECTION: 3.14 Heat Resistance <u>Status</u> **Specification** Results No Blistering or Delamination No Blisters or Delamination 3.14.1, 30 mins @ 120°C **Pass** 

3.14.2, 7 days @ 102°C No Blistering or Delamination No Blisters or Delamination **Pass** SECTION: 3.15 Odor Specification SAE J1351\* Results Status

3.15, Odor, Dry - 1 hr @ 65°C 3 Max Rating Not Perceptible, 1 **Pass Status** 

**Specification** SECTION: 3.16 Flammability ISO 3795\* / SAE J369\* Results 3.16, Initial, Component 100 mm / min < B 25 **Pass** 

CERTIFIED BY:

1-1-25 ISSUE DATE:

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.

Dave Nichols Jr, Automotive Lab Technician

ACCREDITED

TESTING LABORATORY

<u>Results</u>

Results

**TBD** 

Results

**TBD** 

TBD

Results

TBD

Status 5 4 1

**Status** 

TBD

**Status** 

TBD

TBD

**Status** 

**Pass** 

**Pass** 

**Pass** 

Status

**TBD**