

250 Chester Street

Painesville, Ohio 44077

866-GO-AVERY (866-462-8379) Phone:

Fax: 888-358-4469

email: psa.tape@averydennison.com URL: tapes.averydenniso Thickness, Tape

TAPE REQUIREMENTS: SECTION: 3.3 Weight

3.3.1 Weight per Unit Area (Non-Foams)

SECTION: 3.4 Odor

3.4.1 Odor, Condition 1 - 24 hrs @ RT, Deionized Water 3.4.2 Odor, Condition 2 - 24 hrs @ 40°C, Deionized Water

3.4.3 Odor, Condition 3 - 2 hrs @ 65° C

SECTION: 3.5 Fogging

3.5, 3 hrs @ 100°C, 21°C Cooling, 16 hrs @ RT

SECTION: 3.6 Flammability

3.6, Initial, Component

Construction Properties 3.7 SECTION 3.7 Resistance To Mildew

3.7.1, 7 Days @ 38°C / 98% RH

SECTION: 3.7.2 Environmental Testing

3.7.2.1, Short Term Environmental Cycling

5 hrs @ -30°C 30 mins @ RT

5 hrs @ 80°C

30 mins @ RT

2 hrs @ 50°C / 95% RH

30 mins @ RT

5 hrs @ -30°C

30 mins @ RT

5 hrs @ 80°C

TEST REPORT

FT A902 PET PRODUCT:

SUPPORT: **FLOCK**

SUBSTRATE:

CERT NO .: 230915 - 1043

FORD WSS-M99P32-E1

OEM Rev Date: Mar 22

Performance, Acoustical And Insulators, Interior Assemblies

Horizontal or Vertical Parts Above the Belt Line - Pillars; upper quarter panels; hard instrument panels

Specification Results **Status** Reported g/m² 284.1 Reported

ACCREDITED

TESTING LABORATORY

Not Tested

Status

Pass

Status

Pass

Status

Not Applicable

Not Applicable

Not Applicable

Status

Status

Pass

Specification Results ISO 3795

Status 3 Max Rating Not Tested **Not Tested** 3 Max Rating Not Tested **Not Tested** 3 Max Rating Not Tested

Specification SAE J1756 Results Status

> 70 Units 85.7 **Pass**

Good, Stable, No Ooze, Odor, Warping or Lifting

Results

Not Applicable

Not Applicable

Not Applicable

Results

No Lifting or Appearance Changes

Page 1 of 2

1-1-24

402.0

ISSUE DATE:

Specification ISO 3795 Results Status < 100 mm/min SF **Pass**

Specification Evaluation

Status No Significant Odor or Mold Growth No Evidence of Mildew Growth, Objectionable Odor or Separation **Pass**

> **Evaluation Specification** FLTM BO 040-01 A* (c)

No Wrinkling, Blistering, Warping,

Staining, Odor or Delamination

3.7.2.2, Long Term Environmental Cycling, 7 Days @ 80°C FLTM BO 040-01 B* (c) Good, Stable, No Ooze, Odor, Warping or Lifting **Pass**

SECTION: 3.8 **Physical Properties Specification** ASTM D5034* (d) Results Mode 35 N / In min 276.9 TEAR 3.8.1, Original Breaking Strength

Climate Control Applications SECTION: 3.8 **Specification** ASTM D5034* (d) Results Mode % Change **Status** 3.8.1.1, Change After Short Term 3.7.2.1 Aging < 30 % Change 284 3 TEAR 3% Reported 3.8.1.2, Change After Long Term 3.7.2.2 Aging < 30 % Change 286.6 TEAR 4% Reported

SECTION: 3.8.2 Tear Resistance (Foam Materials Only) **Specification** ASTM D3574 F* (e)

Results **Status** 3.8.2, Finished Part, Tear Resistance (Foam Materials Only) Reported N/m Not Applicable Not Applicable

SECTION: 3.8.3 Compression Force Deflection Test (Foam Materials Only)

Results Status Compression Force Deflection Test (Foam Materials Only) 250 mm (10 in) Not Applicable Not Applicable

3.8.3.1, Finished Part, Compression Force Deflection

3.9.2 After Long Term Environmental, 168 hrs @ 100°C

Dave Nichols Jr, Automotive Lab Technician

CERTIFIED BY:

SECTION: 3.8.4 Constant Deflection Compression Set Test (Floor Foam Materials Only)

3.8.4.1, Original Breaking Strength Report Value %

3.8.4.2, Change After Short Term 3.7.2.1 Aging < 40 % Change < 10 % Change

3.8.4.3, Change After Long Term 3.7.2.2 Aging

SECTION: 3.8.5 Peel Strength (Laminates Only) **Specification** Results FLTM BN 151-05* (f)

3.8.5, Peel Strength (Engine and Underbody Laminates Only) 6 N / 50 mm min Not Tested **Not Tested**

SECTION: 3.8.6 Moisture Absorption **Specification** 3.8.6, Suspended 24 hrs @ 38°C / 95% RH

30 % max 1.4 **Pass**

SECTION: 3.9 Adhesion Strength (PSA Tapes for NVH only) Specification ASTM D1000 FLTM BO 040-01* (h) Results Evaluation Status

300 N/m - No Adhesion Failure No Lifting or Appearance Changes 3.9.1 Original 328.1 **Pass** 3.9.2 After Short Term Environmental Cycling 225 N/m - No Adhesion Failure 439.3 No Lifting or Appearance Changes **Pass** 225 N/m - No Adhesion Failure

Materials tested to OEM requirements @ 72°F +/- 2°F and 50% RH +/- 5%. Test uncertainty and minor exclusions are available online or upon request.

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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 *



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TEST REPORT

PRODUCT: FT A902 PET SUPPORT: FLOCK

SUPPORT: FLOC SUBSTRATE: PP

CERT NO.: 230915 - 1043

FORD WSS-M99P32-E1

OEM Rev Date: Mar 22

Performance, Acoustical And Insulators, Interior Assemblies

Horizontal or Vertical Parts Above the Belt Line - Pillars; upper guarter panels; hard instrument panels

TEST METHOD EXPLANATION:

SECTION: 3.4 Odor

ISO 3795

*(a) Test performed by accredited personnel. Due to the nature of this test, accreditation to the specific test method has not been deemed necessary or desired (subjective)

SECTION: 3.5 Fogging

SAE J1756 is called out on our Scope

SAF J1756

SECTION: 3.6 Flammability

*(b) ISO 3795 is technically equivalent to FMVSS 302. Our lab scope includes FMVSS 302, which was used.

SECTION: 3.7.2 Environmental Testing

ISO 3795

FLTM BO 040-01 A* (c)

*(c) FLTM BO 040-01 A is outside of our scope however we are accredited to perform environmental simulations under Customer Specifications and ASTM D4332 which are listed on our scope.

SECTION: 3.7.2 Environmental Testing

FLTM BO 040-01 B* (c)

*(c) FLTM BO 040-01 B is outside of our scope however we are accredited to perform environmental simulations under Customer Specifications and ASTM D4332 which are listed on our scope.

Adhesion per ASTM D1000 has been added per Mat Spec drawing callouts

SECTION: 3.8 Physical Properties

ASTM D5034* (d)

*(d) ASTM D5034 is outside of our scope however we are accredited to perform CRE (constant rate of extension) tests, ASTM D1000 and ASTM D3300 which are listed on our scope.

SECTION: 3.8.2 Tear Resistance (Foam Materials Only)

ASTM D3574 F* (e)

This test is not applicable to the substrate involved.

SECTION: 3.8.3 Compression Force Deflection Test (Foam Materials Only)

This test is not applicable to the substrate involved.

SECTION: 3.8.4 Constant Deflection Compression Set Test (Floor Foam Materials Only)

This test is not applicable to the substrate involved.

SECTION: 3.8.5 Peel Strength (Laminates Only)

FLTM BN 151-05* (f)

*(f) FLTM BN 151-05 is outside of our scope however we are accredited to perform CRE (constant rate of extension) tests, ASTM D1000 and ASTM D3300 which are listed on our scope.

SECTION: 3.8.6 Moisture Absorption

No method addressed within Ford WSS M99P32-E1

SECTION: 3.9 Adhesion Strength (PSA Tapes for NVH only)

ASTM D1000 FLTM BO 040-01* (h)

*(h) FLTM BO 040-01 is outside of our scope however the test was performed by accredited personnel.

CERTIFIED BY:

Dave Nichols Jr, Automotive Lab Technician

ISSUE DATE: 1-1-24

Materials tested to OEM requirements @ 72°F +/- 2°F and 50% RH +/- 5%. Test uncertainty and minor exclusions are available online or upon request.

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Status opinion based upon measurements obtained by personnel with appropriate training and professional experience.

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