

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 0900X PET PRODUCT:

SUPPORT: **FLOCK**

SUBSTRATE: ARS

231128 - 0906 CERT NO .:

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 277.2 Reported

ACCREDITED

TESTING LABORATORY

Pass

Pass

Status

Pass

Status

Not Applicable

Not Applicable Not Applicable

Status

Status

Specification Results ISO 3795 <u>Status</u>

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

Specification SAE J1756 Results Status > 70 Units 74.9 **Pass**

Specification ISO 3795 Results Status **Pass**

< 100 mm / min < B 25

Specification Evaluation Status

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

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

> > Results

Results

Not Applicable

Not Applicable

Not Applicable

Results

No Wrinkling, Blistering, Warping, Good, Stable, No Ooze, Odor, Warping or Lifting Staining, Odor or

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

SECTION: 3.8 **Physical Properties Specification** Results ASTM D5034* (d) Mode 35 N/In min 217.3 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 220.5 1% TEAR Reported 3.8.1.2, Change After Long Term 3.7.2.2 Aging < 30 % Change 229.8 TEAR 6% Reported

Delamination

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

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

3.8.3.1, Finished Part, Compression Force Deflection

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

3.8.4.3, Change After Long Term 3.7.2.2 Aging < 10 % Change

SECTION: 3.8.5 Peel Strength (Laminates Only) Specification Results Status 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 16.8 30 % max **Pass**

Specification

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

ASTM D1000 FLTM BO 040-01* (h) 300 N/m - No Adhesion Failure 3.9.1 Original

530.1 No Lifting or Appearance Changes **Pass** 3.9.2 After Short Term Environmental Cycling 225 N/m - No Adhesion Failure 647.7 No Lifting or Appearance Changes **Pass**

225 N/m - No Adhesion Failure 3.9.2 After Long Term Environmental, 168 hrs @ 100°C 574.0 No Lifting or Appearance Changes **Pass**

CERTIFIED BY:

1-1-24 ISSUE DATE:

Results

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

Evaluation



250 Chester Street

Painesville, Ohio 44077

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

Fax: 888-358-4469

email: psa.tape@averydennison.com

tapes.averydennison.com

TEST REPORT

PRODUCT: FT 0900X PET

SUPPORT: FLOCK SUBSTRATE: ABS

CERT NO.: 231128 - 0906

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

*(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

SECTION: 3.6

SAE J1756 is called out on our Scope

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

SECTION: 3.7.2 Environmental Testing

Flammability

FLTM BO 040-01 A* (c)

SAF J1756

ISO 3795

*(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:

David Nichols II, Automative 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. 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 *.