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SECTION: 3.4

TAPE REQUIREMENTS: SECTION: 3.3 Weight

3.3.1 Weight per Unit Area (Non-Foams) 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

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

3.7.2.2, Long Term Environmental Cycling, 7 Days @ 80°C

3 Max Rating 3 Max Rating 3 Max Rating

PRODUCT:

SUPPORT:

CERT NO .:

SUBSTRATE:

FORD WSS-M99P32-E1

OEM Rev Date: Mar 22

Specification SAE J1756 > 70 Units

TEST REPORT

FLOCK

FT 0900X PET

240829 - 0548

Performance, Acoustical And Insulators, Interior Assemblies

Specification

Reported g/m²

Specification

ISO 3795

Specification ISO 3795 < 100 mm / min

Specification No Evidence of Mildew Growth, Objectionable Odor or Separation

Specification

Staining, Odor or Delamination

No Wrinkling,

Blistering, Warping,

Specification

35 N/In min

Specification

< 30 % Change

< 30 % Change

Specification

Reported N/m

250 mm (10 in)

< 40 % Change

< 10 % Change

Specification

6 N / 50 mm min

Specification

30 % max

Specification

300 N / m - No Adhesion Failure

225 N/m - No Adhesion Failure

225 N / m - No Adhesion Failure

FLTM BO 040-01 A* (c)

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

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

Results

277 2

Results

Not Tested

Not Tested

Not Tested

Results

74.9

Results

SE / NBR

Evaluation

Evaluation

No Significant Odor or Mold Growth

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

% Change

1%

6%

Status

Reported

Status

Not Tested

Not Tested

Not Tested

Status

Pass

Status

Pass

Status

Pass

Status

Pass

Pass

Status

Pass

Status

Reported

Reported

Status

Not Applicable

Status

Not Applicable

Status

Not Tested

Status

Pass

<u>Status</u>

Pass

Pass

Pass

SECTION: 3.8 **Physical Properties** 3.8.1, Original Breaking Strength

Climate Control Applications SECTION: 3.8 3.8.1.1, Change After Short Term 3.7.2.1 Aging 3.8.1.2, Change After Long Term 3.7.2.2 Aging

SECTION: 3.8.2 Tear Resistance (Foam Materials Only) 3.8.2, Finished Part, Tear Resistance (Foam Materials Only)

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

Compression Force Deflection Test (Foam Materials Only)

3.8.3.1, Finished Part, Compression Force Deflection

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

3.8.4.1, Original Breaking Strength 3.8.4.2, Change After Short Term 3.7.2.1 Aging

3.8.4.3, Change After Long Term 3.7.2.2 Aging

SECTION: 3.8.5 Peel Strength (Laminates Only) 3.8.5, Peel Strength (Engine and Underbody Laminates Only)

SECTION: 3.8.6 Moisture Absorption*

3.8.6, Suspended 24 hrs @ 38°C / 95% RH

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

3.9.2 After Short Term Environmental Cycling

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

CERTIFIED BY: David Nichols II. Automotive Lab Technician ASTM D5034* (d) **Mode**

Results 217.3

2298

ASTM D5034* (d) Results | 220.5

ASTM D3574 F* (e)

FLTM BO 040-01 B* (c)

FLTM BN 151-05* (f)

ASTM D1000 FLTM BO 040-01* (h)

Not Applicable Results

TEAR

Mode

TEAR

TEAR

Results

Not Applicable

Results Status Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable

Results Not Tested

Results 16.8

Evaluation No Lifting or Appearance Changes No Lifting or Appearance Changes No Lifting or Appearance Changes

1-1-25

ISSUE DATE:

Results 359.3

421.4

400.9

TEST REPORT



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PRODUCT: FT 0900X PET SUPPORT: FLOCK SUBSTRATE: PP

CERT NO.: 240829 - 0548

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

TEST METHOD EXPLANATION:

SECTION: 3.4 Odor*

ISO 3795

TESTING LABORATORY

*(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

SAE J1756

ISO 3795

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

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:

vid Nichols II. Automotive Lab Technicia

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 *.

Avery Dennison Performance Tapes 250 Chester St. Painesville, Ohio 44077

Original Test Date:

8-29-2024

Page 2 of 2