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FORD WSS-M99P32-E1

PRODUCT:

SUPPORT:

CERT NO .:

SUBSTRATE:

OEM Rev Date: Mar 22

Performance, Acoustical And Insulators, Interior Assemblies

ISO 3795

SAE J1756

ISO 3795

TEST REPORT

FT 1126

TPO

Specification

Reported g/m²

Specification

3 Max Rating

3 Max Rating

3 Max Rating

Specification

> 70 Units

Specification

< 100 mm/min

3 MM FFI T

240823 - 0747

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

TESTING LABORATORY

Status

Reported

Status

Not Tested

Not Tested

Not Tested

Status

Pass

Status

Pass

Status

Pass

Status

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Pass

Status

Pass

Status

Reported

Reported

Status

Not Applicable

Status

Not Applicable

Not Applicable

Not Applicable

Status

Pass

Status

Pass

Status

Pass

Pass

Pass

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

Resistance To Mildew* 3.7

SECTION: 3.7.2 Environmental Testing 3.7.2.1, Short Term Environmental Cycling

5 hrs @ -30°C

30 mins @ RT

30 mins @ RT

30 mins @ RT

30 mins @ RT

5 hrs @ 80°C

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

Physical Properties

Climate Control Applications

5 hrs @ -30°C

2 hrs @ 50°C / 95% RH

5 hrs @ 80°C

SECTION 3.7 3.7.1, 7 Days @ 38°C / 98% RH

SECTION: 3,8

SECTION: 3.8

3.8.1, Original Breaking Strength

Specification

No Evidence of Mildew Growth, Objectionable Odor or Separation

Specification FLTM BO 040-01 A* (c) No Wrinkling, Blistering, Warping,

Staining, Odor or Delamination

Specification

35 N/In min

Specification

< 30 % Change

< 30 % Change

Specification

Reported N/m

< 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 B* (c)

ASTM D5034* (d)

ASTM D3574 F* (e)

FLTM BN 151-05* (f)

ASTM D1000 FLTM BO 040-01* (h)

ASTM D5034* (d) Results

131.1

Results 144 5

147 4

TEAR Results

Results

793.4

Results

Not Tested

Not Tested

Not Tested

Results

100.4

Results

SE

Evaluation

Evaluation

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

Mode

TEAR

Mode

TEAR

No Significant Odor or Mold Growth

Not Applicable

Not Applicable

Results

Not Applicable

Not Applicable

Not Applicable

Results

8.5

Results

0.2

Results 1 4 1

% Change

10%

12%

Status Not Applicable

SECTION: 3.8.3 Compression Force Deflection Test (Foam Materials Only) 250 mm (10 in)

Compression Force Deflection Test (Foam Materials Only)

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

SECTION: 3.8.2 Tear Resistance (Foam Materials Only)

3.8.3.1, Finished Part, Compression Force Deflection

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: 3.8.4 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:

ISSUE DATE:

Results

1927.9

2118.7

2192.2

1-1-25

Evaluation

No Lifting or Appearance Changes

No Lifting or Appearance Changes

No Lifting or Appearance Changes

David Nichols II, Automotive Lab Technician

TEST REPORT



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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

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)

5-23-2022

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

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ISSUE DATE:

1-1-25

Page 2 of 2

David Nichols II.

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 *. Original Test Date: