A	TEST	REPORT			
AVERY	-	900X PET			
	SUPPORT: FLOCK				
250 Chester Street Painesville, Ohio 44077	SUBSTRATE: PP CERT NO.: 2311	28 - 0906			DITED
Phone: 866-GO-AVERY (866-462-8379) Fax: 888-358-4469	FORD WSS-M99P32-E1			TESTING LA	
email: psa.tape@averydennison.com	OEM Rev Date: Mar 22				
URL: tapes.averydenniso Thickness, Tape	Performance, Acoustical An Horizontal or Vertical Parts			ter panels; hard instrument panels	
TAPE REQUIREMENTS:	Specificatio			Results	
SECTION: 3.3 Weight 3.3.1 Weight per Unit Area (Non-Foams)	Reported g /			277.2	Status Reported
SECTION: 3.4 Odor	Specificatio	n ISO 3795		Results	Status
3.4.1 Odor, Condition 1 - 24 hrs @ RT, Deionized Water	3 Max Ratir			Not Tested	Not Tested
3.4.2 Odor, Condition 2 - 24 hrs @ 40°C, Deionized Water 3.4.3 Odor, Condition 3 - 2 hrs @ 65°C	3 Max Ratir 3 Max Ratir	-		Not Tested Not Tested	Not Tested Not Tested
		9		Not rested	Not rested
SECTION: 3.5 Fogging 3.5, 3 hrs @ 100°C, 21°C Cooling, 16 hrs @ RT	Specification > 70 Units			Results 74.9	Status Pass
SECTION: 3.6 Flammability 3.6, Initial, Component	Specificatio < 100 mm / m			<u>Results</u> SE / NBR	<u>Status</u> Pass
3.7 Construction Properties					
SECTION 3.7 Resistance To Mildew	Specificatio			Evaluation	Status
3.7.1, 7 Days @ 38°C / 98% RH No Evidenc	e of Mildew Growth, Objectionab	le Odor or Separation	No Signi	ficant Odor or Mold Growth	Pass
SECTION: 3.7.2 Environmental Testing					
3.7.2.1, Short Term Environmental Cycling 5 hrs @ -30°C	Specification No Wrinkling	_	Good, Stable, N	Evaluation lo Ooze, Odor, Warping or Lifting	Status Pass
30 mins @ RT	Blistering, War	ping,	0000, 010010, 1	o oozo, o cor, maiping or zining	
5 hrs @ 80°C 30 mins @ RT	Staining, Odo Delaminatio				
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		FLTM BO 040-01 B* (c)	Good, Stable, N	lo Ooze, Odor, Warping or Lifting	Pass
SECTION: 3.8 Physical Properties 3.8.1, Original Breaking Strength	Specificatio 35 N / In mi		Results 217.3	Mode TEAR	Status Pass
SECTION: 3.8 Climate Control Applications	Specificatio	ASTM D5034* (d)	Results	Mode % Change	Status
3.8.1.1, Change After Short Term 3.7.2.1 Aging	< 30 % Chan		220.5	TEAR 1%	Reported
3.8.1.2, Change After Long Term 3.7.2.2 Aging	< 30 % Chan	ge	229.8	tear 6%	Reported
SECTION: 3.8.2 Tear Resistance (Foam Materials Only) 3.8.2, Finished Part, Tear Resistance (Foam Materials Only)	Specification Reported N /	_		Results Not Applicable	<u>Status</u> Not Applicable
SECTION: 3.8.3 Compression Force Deflection Test (Foam Materials Only) Results Status					
Compression Force Deflection Test (Foam Materials Only) 3.8.3.1, Finished Part, Compression Force Deflection	250 mm (10 i	n)		Not Applicable	Not Applicable
	of /Elece From Motodal	- 1 - 1)		Desults	.
SECTION: 3.8.4 Constant Deflection Compression Set To 3.8.4.1, Original Breaking Strength	est (Floor Foam Materials Oi Report Value			<u>Results</u> Not Applicable	Status Not Applicable
3.8.4.2, Change After Short Term 3.7.2.1 Aging	< 40 % Chan	ge		Not Applicable	Not Applicable
3.8.4.3, Change After Long Term 3.7.2.2 Aging	< 10 % Chan	ge		Not Applicable	Not Applicable
SECTION: 3.8.5 Peel Strength (Laminates Only) 3.8.5, Peel Strength (Engine and Underbody Laminates Only)	Specification			Results Not Tested	Status Not Tested
SECTION: 3.8.6 Moisture Absorption 3.8.6, Suspended 24 hrs @ 38°C / 95% RH	Specification	<u>n</u>		Results 16.8	Status Pass
SECTION: 3.9 Adhesion Strength (PSA Tapes for NVH	only) Specificatio	ASTM D1000 FLTM BO 040-01* (h)	Results	Evaluation	Status
3.9.1 Original	300 N / m - No Adhe	sion Failure	359.3	No Lifting or Appearance Changes	Pass
3.9.2 After Short Term Environmental Cycling 3.9.2 After Long Term Environmental, 168 hrs @ 100°C	225 N / m - No Adhe 225 N / m - No Adhe		421.4 400.9	No Lifting or Appearance Changes No Lifting or Appearance Changes	
			*	5 ··· ++ since changed	*
CERTIFIED BY:			ISSUE DATE	: <u>1-1-24</u>	
David Nichols II, Automotive Lab Technician					

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. This laboratory is not accredited for the calibrations or tests marked *. Avery Dennison Performance Tapes 250 Chester St. Painesville, Ohio 44077 Status opinion based upon measurements obtained by personnel with appropriate training and professional experience.

Original Test Date:

*(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

SECTION: 3.5 Fogging SAE J1756 is called out on our Scope

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

*(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

*(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**

*(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)

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)

*(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

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

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

CERTIFIED BY:

To.)///_
David Nichols II,	Automotive Lab Technician

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

TEST REPORT

Performance, Acoustical And Insulators, Interior Assemblies

FT 0900X PET

FLOCK PP 231128 - 0906 ACCREDITED TESTING LABORATORY

SAF .11756

ISO 3795

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

ISO 3795

FLTM BO 040-01 A* (c)

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)

1-1-24 ISSUE DATE:

Original Test Date:





888-358-4469

TEST METHOD EXPLANATION:

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

psa.tape@averydennison.com

tapes.avervdennison.com

Odo

desired (subjective)

250 Chester Street

Phone:

Fax:

email:

URI ·

SECTION: 3.4

Painesville, Ohio 44077

PRODUCT: SUPPORT: SUBSTRATE: CERT NO .:

FORD WSS-M99P32-E1

OEM Rev Date: Mar 22