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TEST REPORT

PRODUCT: FT 8327
SUPPORT: EPDM FOAM
SUBSTRATE: PP
CERT NO.: 221215 - 1444



GMW 16443-TYPE-II-EXTERIOR-CYCLE-C

OEM Rev Date: Aug 18
Adhesion Performance Requirements For Adhesive Backed Light Trim and Foam
Type II - An adhesive backed foam composite that is retained by the adhesive for the life of the vehicle

Passing Type II Meets and Exceeds 3.5.1 Type I Exposure Requirements

TAPE REQUIREMENTS:

3.5.2 TYPE-II Exposure

SECTION 3.3.3 Edge Adhesion

3.5.3, Initial, As Received - 24 hrs @ RT

3.5.4, Heat Aged 168 hrs @ 80°C per ISO 188

3.5.5, After Humidity 168 hrs @ 38°C / 100% RH per GMW 14729 Option A

3.5.6, Cycle Exposure, GMW 14124, 2x Cycle C

- 17 hrs @ -30°C
- 72 hrs @ 70°C
- 24 hrs @ 38°C / 100% RH
- 7 hrs @ -30°C
- 24 hrs @ 38°C / 100% RH
- 7 hrs @ 70°C
- 24 hrs @ 38°C / 100% RH

3.5.8, Cold Shock, 72 hrs @ 54°C, 4 hrs @ -30°C

SECTION 3.4 Peel Adhesion

ISO 8510-2

3.5.3, Initial, As Received - 24 hrs @ RT

3.5.4, Heat Aged 168 hrs @ 80°C per ISO 188

3.5.5, After Humidity 168 hrs @ 38°C / 100% RH per GMW 14729 Option A

3.5.6, Cycle Exposure, GMW 14124, 2x Cycle C

- 17 hrs @ -30°C
- 72 hrs @ 70°C
- 24 hrs @ 38°C / 100% RH
- 7 hrs @ -30°C
- 24 hrs @ 38°C / 100% RH
- 7 hrs @ 70°C

3.5.8, Cold Shock, 72 hrs @ 54°C, 4 hrs @ -30°C

SECTION 3.5.8 Cold Shock

3.5.8, Cold Shock, 72 hrs @ 54°C, 4 hrs @ -30°C

SECTION: 3.7.1 Release Liner

3.7.2, Liner Removal @ RT

<u>Specification</u>	<u>Results</u>	<u>Status</u>
Securely Bonded	Stable, No Lifting or Removal	Pass
Securely Bonded	Stable, No Lifting or Removal	Pass
Securely Bonded	Stable, No Lifting or Removal	Pass
Securely Bonded	Stable, No Lifting or Removal	Pass
Securely Bonded	Stable, No Lifting or Removal	Pass

<u>Specification</u>	<u>Results</u>	<u>Mode</u>	<u>Status</u>
525 N / m	735.5	AF-P	Pass
525 N / m	733.2	AF-P	Pass
525 N / m	852.9	AF-P	Pass
525 N / m	1106.8	AF-P	Pass
525 N / m	926.4		Pass

<u>Specification</u>	<u>Results</u>	<u>Status</u>
No Separation from 2	No Impact Separation	Pass

<u>Specification</u>	<u>Results</u>	<u>Status</u>
< 65 N / m	15.2	Pass

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.

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 *.

Appendix A Table A2

PRODUCT: FT 8327
 SUPPORT: EPDM FOAM
 SUBSTRATE: PP
 CERT NO.: #####

Table A2: GMW16443 Type II Applications Test Data Form

Section	Test	Standard	Requirements	Sample	Visual Edge Adhesion	Peel N/m	Failure Mode
3.5.3	Initial, As Received - 24 hrs @ RT	ISO 8510-2	Minimum of 525 N/m and Cohesive Failure of One or Both of the Adherends	1	Stable, No Lifting or Removal	781.1	AF-P
				2	Stable, No Lifting or Removal	859.9	AF-P
				3	Stable, No Lifting or Removal	565.7	AF-P
3.5.4	Heat Aged 168 hrs @ 80°C per ISO 188			1	Stable, No Lifting or Removal	814.3	AF-P
				2	Stable, No Lifting or Removal	691.8	AF-P
				3	Stable, No Lifting or Removal	693.5	AF-P
3.5.5	After Humidity 168 hrs @ 38°C / 100% RH per GMW 14729 Option A			1	Stable, No Lifting or Removal	838.9	AF-P
				2	Stable, No Lifting or Removal	866.9	AF-P
				3	Stable, No Lifting or Removal	852.9	AF-P
3.5.6	Cycle Exposure, GMW 14124, 2x Cycle C			1	Stable, No Lifting or Removal	1134.8	AF-P
				2	Stable, No Lifting or Removal	1229.4	AF-P
				3	Stable, No Lifting or Removal	956.2	AF-P
		1					
		2					
		3					
3.5.8	Cold Shock, 72 hrs @ 54°C, 4 hrs @ -30°C	1	Stable, No Lifting or Removal	917.7	AF-P		
		2	Stable, No Lifting or Removal	929.9	AF-P		
		3	Stable, No Lifting or Removal	931.7	AF-P		

Section	Test	Standard	Requirements	Sample	Result
3.6	Tape Wet Out, GMW15851	GMW 15851 is restricted and we cannot purchase	85% Tape Wet Out	1	Not Tested
				2	Not Tested
				3	Not Tested
3.7.1	Release Liner Contact	To Be Determined @ Tier	No Lift Prior To Vehicle Install	1	TBD
				2	TBD
				3	TBD
3.7.2	Liner Removal	ISO 8510-2	Less Than Or Equal To 65 N/m	1	10.5
				2	21.0
				3	14.0