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**TEST REPORT**

PRODUCT: FT 8327 12 PT BD  
SUPPORT: NITRILE VINYL 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

<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

**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

<u>Specification</u>	<u>Results</u>	<u>Mode</u>	<u>Status</u>
525 N / m	581.4	AF-P	Pass
525 N / m	659.1	AF-P	Pass
525 N / m	674.8	AF-P	Pass
525 N / m	742.5	AF-P	Pass
525 N / m	757.1		Pass

**SECTION 3.5.8 Cold Shock**

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

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

**SECTION: 3.7.1 Release Liner**

3.7.2, Liner Removal @ RT

<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.

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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 12 PT BD  
 SUPPORT: NITRILE VINYL 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	683.0	AF-P
				2	Stable, No Lifting or Removal	425.6	AF-P
				3	Stable, No Lifting or Removal	635.7	AF-P
3.5.4	Heat Aged 168 hrs @ 80°C per ISO 188			1	Stable, No Lifting or Removal	635.7	AF-P
				2	Stable, No Lifting or Removal	653.2	AF-P
				3	Stable, No Lifting or Removal	688.2	AF-P
3.5.5	After Humidity 168 hrs @ 38°C / 100% RH per GMW 14729 Option A			1	Stable, No Lifting or Removal	634.0	AF-P
				2	Stable, No Lifting or Removal	835.4	AF-P
				3	Stable, No Lifting or Removal	555.2	AF-P
3.5.6	Cycle Exposure, GMW 14124, 2x Cycle C			1	Stable, No Lifting or Removal	742.5	AF-P
				2	Stable, No Lifting or Removal	740.8	AF-P
				3	Stable, No Lifting or Removal	744.3	AF-P
		1					
		2					
		3					
3.5.8	Cold Shock, 72 hrs @ 54°C, 4 hrs @ -30°C	1	Stable, No Lifting or Removal	669.0	AF-P		
		2	Stable, No Lifting or Removal	803.8	AF-P		
		3	Stable, No Lifting or Removal	798.6	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	14.0
				2	14.0
				3	17.5