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**TEST REPORT**

PRODUCT: FT 8392 12 PT BD  
SUPPORT: PVC FOAM  
SUBSTRATE: PC ABS  
CERT NO.: 221215 - 1447



**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, 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, 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	1172.2	AF-P	Pass
525 N / m	1185.0	CF	Pass
525 N / m	1215.4	AF-P	Pass
525 N / m	1085.8	CF	Pass
525 N / m	715.7	CF	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	14.6	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 8392 12 PT BD  
 SUPPORT: PVC FOAM  
 SUBSTRATE: PC ABS  
 CERT NO.: 221215 - 1447

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	1192.6	AF-P
				2	Stable, No Lifting or Removal	1138.3	AF-P
				3	Stable, No Lifting or Removal	1185.6	AF-P
3.5.4	Heat Aged 168 hrs @ 80°C per ISO 188			1	Stable, No Lifting or Removal	1320.5	CF
				2	Stable, No Lifting or Removal	1266.2	CF
				3	Stable, No Lifting or Removal	968.5	CF
3.5.5	Humidity 168 hrs @ 38°C / 100% RH per GMW 14729 Option A			1	Stable, No Lifting or Removal	1201.4	AF-P
				2	Stable, No Lifting or Removal	1262.7	AF-P
				3	Stable, No Lifting or Removal	1182.1	AF-P
3.5.6	Cycle Exposure, GMW 14124, 2x Cycle C			1	Stable, No Lifting or Removal	1260.9	CF
				2	Stable, No Lifting or Removal	1078.8	CF
				3	Stable, No Lifting or Removal	917.7	CF
				1			
				2			
				3			
3.5.8	Cold Shock, 72 hrs @ 54°C, 4 hrs @ -30°C	1	Stable, No Lifting or Removal	628.7	CF		
		2	Stable, No Lifting or Removal	723.3	CF		
		3	Stable, No Lifting or Removal	795.1	CF		

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	19.3
				3	14.0