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TEST REPORT

PRODUCT: C690B
SUPPORT: 2 MIL PET
SUBSTRATE: PP
CERT NO.: 230109 - 1109

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



Tested in accordance with JDC protocols and provided as product information only. Actual product and application substrates would need to be tested for OEM certification.

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

SECTION 3.4 Peel Adhesion

3.5.3, Initial, As Received - 24 hrs @ RT

ISO 8510-2

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

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

Specification

Securely Bonded

Results

Stable, No Lifting or Removal

Status

Pass

Specification

525 N / m

Results

1183.3

Mode

CF

Status

Pass

Specification

525 N / m

Results

1017.5

Mode

AF-P

Status

Pass

Specification

525 N / m

Results

1366.0

Mode

CF

Status

Pass

Specification

525 N / m

Results

1141.8

Mode

CF

Status

Pass

Specification

525 N / m

Results

1457.6

Mode

CF

Status

Pass

Specification

No Separation from 2

Results

No Impact Separation

Status

Pass

Specification

< 65 N / m

Results

14.6

Status

Pass

CERTIFIED BY:

Dave Nichols Jr, Automotive Lab Technician

ISSUE DATE: 1-1-25

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: **C690B**
 SUPPORT: **2 MIL PET**
 SUBSTRATE: **PP**
 CERT NO.: **230109 - 1109**

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		Minimum of 525 N/m and Cohesive Failure of One or Both of the Adherends	1	Stable, No Lifting or Removal	1253.9	CF	
				2	Stable, No Lifting or Removal	1194.4	CF	
				3	Stable, No Lifting or Removal	1101.5	CF	
3.5.4	Heat Aged 168 hrs @ 80°C per ISO 188			1	Stable, No Lifting or Removal	1021.0	AF-P	
				2	Stable, No Lifting or Removal	970.2	AF-P	
				3	Stable, No Lifting or Removal	1061.3	AF-P	
3.5.5	Humidity 168 hrs @ 38°C / 100% RH per GMW 14729 Option A			1	Stable, No Lifting or Removal	1343.2	CF	
				2	Stable, No Lifting or Removal	1399.3	CF	
				3	Stable, No Lifting or Removal	1355.5	CF	
3.5.6	Cycle Exposure, GMW 14124, 2x Cycle C			1	Stable, No Lifting or Removal	1182.1	CF	
				2	Stable, No Lifting or Removal	1078.8	CF	
				3	Stable, No Lifting or Removal	1164.6	CF	
				1				
				2				
				3				
3.5.8	Cold Shock, 72 hrs @ 54°C, 4 hrs @ -30°C			1	Stable, No Lifting or Removal	1418.5	CF	
				2	Stable, No Lifting or Removal	1476.3	CF	
				3	Stable, No Lifting or Removal	1478.1	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	12.3
				2	19.3
				3	12.3