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## TEST REPORT

PRODUCT: FBD 8393  
SUPPORT: PEU FOAM  
SUBSTRATE: ABS  
CERT NO.: 221215 - 1448

### 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

###### 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

###### 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

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: **FBD 8393**  
 SUPPORT: **PEU FOAM**  
 SUBSTRATE: **ABS**  
 CERT NO.: **221215 - 1448**

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 | 1702.2   | AF-P         |
|         |  |            |   | 2      | Stable, No Lifting or Removal | 1614.7   | AF-P         |
|         |  |            |   | 3      | Stable, No Lifting or Removal | 1532.4   | AF-P         |
| 3.5.4   | Heat Aged 168 hrs @ 80°C per ISO 188                     | ISO 8510-2 | Minimum of 525 N/m and Cohesive Failure of One or Both of the Adherends | 1      | Stable, No Lifting or Removal | 2281.9   | CF           |
|         |  |            |   | 2      | Stable, No Lifting or Removal | 2376.5   | CF           |
|         |  |            |   | 3      | Stable, No Lifting or Removal | 2192.6   | CF           |
| 3.5.5   | Humidity 168 hrs @ 38°C / 100% RH per GMW 14729 Option A | ISO 8510-2 | Minimum of 525 N/m and Cohesive Failure of One or Both of the Adherends | 1      | Stable, No Lifting or Removal | 1546.4   | AF-P         |
|         |  |            |   | 2      | Stable, No Lifting or Removal | 1542.9   | AF-P         |
|         |  |            |   | 3      | Stable, No Lifting or Removal | 1626.9   | AF-P         |
| 3.5.6   | Cycle Exposure, GMW 14124, 2x Cycle C                    | ISO 8510-2 | Minimum of 525 N/m and Cohesive Failure of One or Both of the Adherends | 1      | Stable, No Lifting or Removal | 2140.1   | CF           |
|         |  |            |   | 2      | Stable, No Lifting or Removal | 2120.8   | CF           |
|         |  |            |   | 3      | Stable, No Lifting or Removal | 2232.9   | CF           |
|         |  | ISO 8510-2 | Minimum of 525 N/m and Cohesive Failure of One or Both of the Adherends | 1      |                               |          |              |
|         |  |            |   | 2      |                               |          |              |
|         |  |            |   | 3      |                               |          |              |
| 3.5.8   | Cold Shock, 72 hrs @ 54°C, 4 hrs @ -30°C                 | ISO 8510-2 | Minimum of 525 N/m and Cohesive Failure of One or Both of the Adherends | 1      | Stable, No Lifting or Removal | 2182.1   | CF           |
|         |  |            |   | 2      | Stable, No Lifting or Removal | 1758.3   | CF           |
|         |  |            |   | 3      | Stable, No Lifting or Removal | 2028.0   | 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      | 15.8       |
|         |                        |  |                                  | 2      | 15.8       |
|         |                        |  |                                  | 3      | 15.8       |