

<b>TEST REPORT</b>	<b>PRODUCT:</b>	<b>156M ❶</b>
GMW16443 Type 1 & 2 [Interior] – August, 2018	<b>TEST SUBSTRATE:</b>	ABS
DOCUMENT TITLE: Adhesion Performance Requirements for Adhesive Backed Light Trim and Foam	<b>REPORT DATE:</b>	06/26/23

PARAGRAPH	REQUIREMENT	ABS RESULTS
<b>3 REQUIREMENTS</b>		
3.3.3 <b>EDGE ADHESIVE</b>		
3.5.3 As Received	No Signs of Lift or Separation from the Bonded to Substrate.	No Signs of Lift or Separation From Bonded Substrate and
3.5.4 Heat Aged – 168H @ 80 ± 2°C [ISO 188] ❷ ♦	During Heat Exposure, the Adhesive Must Not Flow	No adhesive flow during Heat Exposure Observed
3.5.5 Humidity – 168H @ 38° ± 2°C & 98% RH ❸ ♦		
3.5.6 Cycle Exposure – GMW14124 Cycle C ❹ ♦		
<b>3.4 180° PEEL ADHESION [ISO 8510-2]</b>		
3.5.3 As Received		883 N/m
3.5.4 Heat Aged – 168H @ 80 ± 2°C [ISO 188] ❷ ♦	525 N/m Minimum	1326 N/m
3.5.5 Humidity – 168H @ 38° ± 2°C & 98% RH ❸ ♦	and	1216 N/m
3.5.6 Cycle Exposure – GMW14124 Cycle C ❹ ♦	<b>Foam Tear ❺</b>	1170 N/m
<b>3.5.8 COLD SHOCK [GMW16443]</b>		
Impact [With No Recover]	Must Withstand	Pass
180° Peel Adhesion [ISO 8510-2]	525 N/m Minimum	1334 N/m

**Note:** Accelerated Weathering Resistance per 3.5.7 for parts “if exterior exposed” not tested. Testing would require application part and substrate.

- ❶ Adchem adhesive system backed exposed-side with 1 mil PET film
- ❷ **EXCEPTION:** Samples conditioned in laboratory standard Gravity Convection oven not specifically designed to comply with ISO 188.
- ❸ **EXCEPTION:** Samples conditioned at 38°C and 98% Non-Condensing Humidity in place of Condensing Humidity per GMW14729 Option A (Water Fog)
- ❹ **EXCEPTION:** 38°C and 98% Non-Condensing Humidity used in place of Condensing Humidity per GMW14729  
2 Cycles: 17h -30 +/- 2 °C, 72h 70 +/- 2 °C, 24h 38°C and 98% RH, 7h -30 +/- 2 °C, 17h 38°C and 98% RH, 7h 70 +/- 2 °C, 24h 38°C and 98% RH
- ❺ **EXCEPTION:** Demonstration of Foam Tear as stated requires proposed foam/adhesive combination tested on the production intent substrate.

♦ Results for this test are Non-Accredited Data due to Exception as stated

APPROVED: Original Test Date: 7/28/21  
Berry Global Technical Service Department

Conditioning and Testing per GMW16443 Type 1 & 2 Except as Noted