TEST REPORT	PRODUCT:	154M ❶
GMW16443 Type 1 & 2 [Interior] – August, 2018	TEST SUBSTRATE:	ABS
DOCUMENT TITLE: Adhesion Performance Requirements for Adhesive Backed Light Trim and Foam	REPORT DATE:	06/26/23

PARAGRAPH	REQUIREMENT	ABS RESULTS
3 **REQUIREMENTS**		
3.3.3 **EDGE ADHESIVE**		
3.5.3 As Received	No Signs of Lift or Separation from the Bonded to Substrate. During Heat Exposure, the Adhesive Must Not Flow	No Signs of Lift or Separation From Bonded Substrate and No adhesive flow during Heat Exposure Observed
3.5.4 Heat Aged – 168H @ 80 ± 2°C [ISO 188]❷♦		
3.5.5 Humidity – 168H @ 38° ± 2°C & 98% RH ❸♦		
3.5.6 Cycle Exposure – GMW14124 Cycle C ❹ ♦		
3.4 **180° PEEL ADHESION** [ISO 8510-2]		
3.5.3 As Received	525 N/m Minimum and *Foam Tear* ❺	708 N/m
3.5.4 Heat Aged – 168H @ 80 ± 2°C [ISO 188]❷♦		1206 N/m
3.5.5 Humidity – 168H @ 38° ± 2°C & 98% RH ❸ ♦		1155 N/m
3.5.6 Cycle Exposure – GMW14124 Cycle C ❹ ♦		1188 N/m
3.5.8 **COLD SHOCK** [GMW16443]		
Impact [With No Recover]	Must Withstand	Pass
180° Peel Adhesion [ISO 8510-2]	525 N/m Minimum	1222 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

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