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TEST REPORT

PRODUCT: FT C501
SUPPORT: 2 MIL PET
SUBSTRATE: HDPE
CERT NO.: 240124 - 0832



GMW 16443-TYPE-II-EXTERIOR-CYCLE-W

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, 3x Cycle W

17 hrs @ -30°C

72 hrs @ 80°C

24 hrs @ 40°C / 95% RH

7 hrs @ -30°C

48 hrs @ 40°C / 95% 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

	<u>Specification</u>	<u>Results</u>	<u>Status</u>
3.5.3, Initial, As Received - 24 hrs @ RT	Securely Bonded	Stable, No Lifting or Removal	Pass

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, 3x Cycle W

17 hrs @ -30°C

72 hrs @ 80°C

24 hrs @ 40°C / 95% RH

7 hrs @ -30°C

48 hrs @ 40°C / 95% RH

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:

David Nichols II, 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.

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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 C501**
 SUPPORT: **2 MIL PET**
 SUBSTRATE: **HDPE**
 CERT NO.: **240124 - 0832**

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	852.2	AF-P
				2	Stable, No Lifting or Removal	879.5	AF-P
				3	Stable, No Lifting or Removal	892.6	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	963.9	AF-P
				2	Stable, No Lifting or Removal	962.8	AF-P
				3	Stable, No Lifting or Removal	969.5	AF-P
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	1054.8	AF-P
				2	Stable, No Lifting or Removal	1060.6	AF-P
				3	Stable, No Lifting or Removal	1055.7	AF-P
3.5.6	Cycle Exposure, GMW 14124, 3x Cycle W	ISO 8510-2	Minimum of 525 N/m and Cohesive Failure of One or Both of the Adherends	1	Stable, No Lifting or Removal	944.5	AF-P
				2	Stable, No Lifting or Removal	918.0	AF-P
				3	Stable, No Lifting or Removal	956.2	AF-P
		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	1086.7	AF-P
				2	Stable, No Lifting or Removal	1090.5	AF-P
				3	Stable, No Lifting or Removal	1044.3	AF-P

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	8.6
				2	16.8
				3	7.5