



250 Chester Street  
Painesville, Ohio 44077  
Phone: 866-GO-AVERY (866-462-8379)  
Fax: 888-358-4469  
email: psa.tape@averydennison.com  
URL: tapes.averydennison.com

## 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

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, 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

Specification	Results	Status
Securely Bonded	Stable, No Lifting or Removal	Pass

Securely Bonded	Stable, No Lifting or Removal	Pass
-----------------	-------------------------------	------

Securely Bonded	Stable, No Lifting or Removal	Pass
-----------------	-------------------------------	------

Securely Bonded	Stable, No Lifting or Removal	Pass
-----------------	-------------------------------	------

Securely Bonded	Stable, No Lifting or Removal	Pass
-----------------	-------------------------------	------

Specification	Results	Mode	Status
525 N / m	874.8	AF-P	Pass

525 N / m	965.4	AF-P	Pass
-----------	-------	------	------

525 N / m	1057.0	AF-P	Pass
-----------	--------	------	------

525 N / m	939.6	AF-P	Pass
-----------	-------	------	------

525 N / m	1073.8	AF-P	Pass
-----------	--------	------	------

Specification	Results	Status
No Separation from 2	No Impact Separation	Pass

Specification	Results	Status
< 65 N / m	11.0	Pass

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: **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			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			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			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
				1			
				2			
				3			
3.5.8	Cold Shock, 72 hrs @ 54°C, 4 hrs @ -30°C			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