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TEST REPORT

PRODUCT: SUPPORT: SUBSTRATE: CERT NO.: **FBR 1950 12 PT BD** EPDM FOAM PP 230103 - 1206



FCA PF-10770

OEM Rev Date: Feb 15 Adhesion - PSA, Cellular and Fibrous Materials Table 2 Flexible Composites

** FCA 2015 Revision Requirements Are for Steel, Plastic Requirements to be Determined

TAPE REQUIREMENTS:			
SECTION: 3.0 Heat Resistance LP-463TB-03-01*	Specification	Results	<u>Status</u>
2.2, Heat Resistance, Initial, 2 hrs @ RT	No Adhesion Loss or Lifting	Stable, No Lift or Adhesion Loss	Pass
SECTION: 3.0 Heat Resistance LP-463CB-10-01*	Specification	<u>Results</u>	<u>Status</u>
2.2, Heat Resistance, 168 hrs @ 79°C	No Adhesion Loss or Lifting	Stable, No Lift or Adhesion Loss	Pass
SECTION: 3.0 Heat Resistance LP-463CB-10-01*	Specification	<u>Results</u>	<u>Status</u>
2.2, Heat Resistance, 8 hrs @ 93°C"	No Adhesion Loss or Lifting	Stable, No Lift or Adhesion Loss	Pass
SECTION: 3.0 Heat Resistance	Specification	Results	<u>Status</u>
2.2, Heat Resistance, 24 hrs Water Immersion	No Adhesion Loss or Lifting	Stable, No Lift or Adhesion Loss	Pass
SECTION: 3.0 Heat Resistance ASTM D1735	Specification	Results	Status
2.2, Heat Resistance, Cycles (5x)	No Adhesion Loss or Lifting	Stable, No Lift or Adhesion Loss	Pass
24 hrs @ 79°C			
24 hrs @ 38℃ / 95% RH 24 hrs @ -29℃			
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SECTION: 3.0 Peel Adhesion LP-463TB-03-01*	Specification	Results	Status
3.0, Adhesion, Initial, 2 hrs @ RT	0.9 N / cm	6.0	Pass
SECTION: 3.0 Peel Adhesion LP-463CB-10-01*	Specification	Results	<u>Status</u>
3.0, Adhesion, 168 hrs @ 79°C	3.3 N / cm	3.9	Pass
SECTION: 3.0 Peel Adhesion LP-463CB-10-01*	Specification	Paculta	Ctatura
3.0, Adhesion, 8 hrs @ 93°C	3.3 N / cm	<u>Results</u> 4.9	<u>Status</u> Pass
		D (4)	• · ·
SECTION: 3.0 Peel Adhesion 3.0, Adhesion, 24 hr Water Immersion	Specification 3.3 N / cm	<u>Results</u> 6.7	<u>Status</u> Pass
		-	
SECTION: 3.0 Peel Adhesion ASTM D1735 3.0, Adhesion, Heat Resistance, Cycles (5x)	Specification 3.3 N / cm	<u>Results</u> 4.1	<u>Status</u> Pass
24 hrs @ 79°C	5.5 N/ CIII	7.1	F 033
24 hrs @ 38°C / 95% RH			

CERTIFIED BY:

Dave Nichols Jr, Automotive Lab Technician

24 hrs @ -29°C

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 *.

Avery Dennison Performance Tapes 250 Chester St. Painesville, Ohio 44077

Original Test Date:

ISSUE DATE:

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8-14-2017