



# TEST REPORT



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 Fax: **888-358-4469**  
 email: **psa.tape@averydennison.com**  
 URL: **tapes.averydennison.com**

PRODUCT: **BNW 1079A**  
 SUPPORT: **FELT**  
 SUBSTRATE: **SS-COATED SS**  
 CERT NO.: **240729 - 0543**

**TOYOTA TSK 5702GCLASS-1**  
 OEM Rev Date: May 14  
 Double Coated Adhesive Tapes for Interior Trim Materials  
 Class 1 for adhesion of foams such as polyethylene foam

## TAPE REQUIREMENTS:

SECTION:	ASTM	Substrate	Specification	Results	Status
<b>SECTION: 5.2 Thickness</b>					
5.2, Thickness, PET		-	Report mm	0.1	Reported
5.2, Thickness, FELT		-	Report mm	1.0	Reported
<b>SECTION: 5.3 Peel Strength</b>					
5.3, Peel Strength, Initial, 20 min dwell	ASTM D3330	SS	10 N / 25 mm	19.4	Pass
5.3.2, Peel Strength, At High Temp in Chamber, 30 min @ 70°C, No Recovery		SS	5 N / 25 mm	23.5	Pass
5.3.3, Peel Strength, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT		SS	15 N / 25 mm	27.5	Pass
5.3.4, Peel Strength, At Humidity, 96 hrs @ 50°C / 95% RH, No Recovery		SS	10 N / 25 mm	37.7	Pass
<b>SECTION: 5.3 Shear Strength</b>					
5.3.1, Shear Strength, Initial, 20 min dwell	ASTM D1002	SS	150 kPa	334.8	Pass
5.3.2, Shear Strength, At High Temp in Chamber, 30 min @ 70°C, No Recovery		SS	40 kPa	232.3	Pass
5.3.3, Shear Strength, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT		SS	350 kPa	375.4	T Pass
5.3.4, Shear Strength, At Humidity, 96 hrs @ 50°C / 95% RH, No Recovery		SS	200 kPa	328.3	Pass
<b>SECTION: 5.3.5 Holding Power</b>					
5.3.5, Shear Strength, 2 hrs @ 40°C under 5 N	ASTM D3654	SS	> 120 mins	5760.0	Pass
<b>SECTION: 5.4 Peel Strength</b>					
5.4.2, Peel Strength, Initial, 20 min dwell	ASTM D3330	Toyota Coated SS	5 N / 25 mm	7.3	Pass
5.4.3, Peel Strength, 24 hrs @ Room Temp		Toyota Coated SS	5 N / 25 mm	9.8	Pass
5.4.4, Peel Strength, At High Temp in Chamber, 30 min @ 70°C, No Recovery		Toyota Coated SS	2 N / 25 mm	9.3	Pass
5.4.5, Peel Strength, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT		Toyota Coated SS	5 N / 25 mm	20.9	Pass
5.4.6, Peel Strength, At Humidity, 96 hrs @ 50°C / 95% RH, No Recovery		Toyota Coated SS	5 N / 25 mm	27.5	Pass
<b>SECTION: 5.4 Shear Strength</b>					
5.4.2, Shear Strength, Initial, 20 min dwell	ASTM D1002	Toyota Coated SS	90 kPa	263.1	Pass
5.4.3, Shear Strength, 24 hrs @ Room Temp		Toyota Coated SS	90 kPa	278.5	Pass
5.4.4, Shear Strength, At High Temp in Chamber, 30 min @ 70°C, No Recovery		Toyota Coated SS	40 kPa	156.6	T Pass
5.4.5, Shear Strength, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT		Toyota Coated SS	90 kPa	370.4	T Pass
5.4.6, Shear Strength, After Humidity, 96 hrs @ 50°C / 95% RH, No Recovery		Toyota Coated SS	90 kPa	317.0	T Pass
<b>SECTION: 5.5 Creep Shear</b>					
5.5.1, Shear, Before Heat Aging, 30 mins @ 70°C, 100 hrs @ 70°C under 0.3 N Load	ASTM D3654	Toyota Coated SS	< 2 mm slip	No Slip	Pass
100 hrs @ 70°C under 0.3 N Load					
5.5.1, Shear, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT, 30 mins @ 70°C,		Toyota Coated SS	< 2 mm slip	No Slip	Pass
100 hrs @ 70°C under 0.3 N Load					
<b>SECTION: 5.5 Creep Peel</b>					
5.5.2, Creep, Before Heat Aging, 30 mins @ 70°C,	ASTM D3654	Toyota Coated SS	< 3 mm slip	1.0	Pass
100 hrs @ 70°C under 0.3 N Load					
5.5.2, Creep, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT, 30 mins @ 70°C,		Toyota Coated SS	< 3 mm slip	No Slip	Pass
100 hrs @ 70°C under 0.3 N Load					



**TOYOTA TSM0505G-1A** Class C1  
 Smell Quality Of Non-metallic Materials  
 1A Influence on Cabin Smell  
 Pillar Garnish, Head Lining, Visor, Lower Instrument Panel, Seat Or Door Trim



**SECTION 5.6 Smell Test\***

**Single Part Only**

**Dry Condition**

	<u>Equip</u>	<u>Evaluation</u>	<u>Specification</u>	<u>Result</u>
5.6.1 Initial, Intensity, 1 hr @ 80°C	N/A	Not Tested	3 min	Not Tested
5.6.1 Initial, Pleasantness / Unpleasantness, 1 hr @ 80°C		Not Tested	-1.5 max	Not Tested
5.6.1 Initial, Nature Of Smell, 1 hr @ 80°C		Not Tested	1 max	Not Tested
5.6.1 Initial, Bodily Sensation, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.1.1 Initial, Bodily Sensation Rating		Not Tested	Rating	Not Tested
5.6.1 Initial, Material Smell, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.1.1 Initial, Material Smell Rating		Not Tested	Rating	Not Tested
5.6.1 After Aging, Intensity, 1 hr @ 80°C		Not Tested	3 min	Not Tested
5.6.1 After Aging, Pleasantness / Unpleasantness, 1 hr @ 80°C		Not Tested	-1.5 max	Not Tested
5.6.1 After Aging Nature Of Smell, 1 hr @ 80°C		Not Tested	1 max	Not Tested
5.6.1 After Aging, Bodily Sensation, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.1.1 After Aging, Bodily Sensation Rating		Not Tested	Rating	Not Tested
5.6.1 After Aging, Material Smell, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.1.1 After Aging, Material Smell Rating		Not Tested	Rating	Not Tested

**Wet Condition**

	<u>Equip</u>	<u>Evaluation</u>	<u>Specification</u>	<u>Result</u>
5.6.2 Initial, Intensity, 1 hr @ 80°C	N/A	Not Tested	3.5 min	Not Tested
5.6.2 Initial, Pleasantness / Unpleasantness, 1 hr @ 80°C		Not Tested	-2 max	Not Tested
5.6.2 Initial, Nature Of Smell, 1 hr @ 80°C		Not Tested	1 max	Not Tested
5.6.2 Initial, Bodily Sensation, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.2.1 Initial, Bodily Sensation Rating		Not Tested	Rating	Not Tested
5.6.2 Initial, Material Smell, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.2.1 Initial, Material Smell Rating		Not Tested	Rating	Not Tested
5.6.2 After Aging, Intensity, 1 hr @ 80°C		Not Tested	3.5 min	Not Tested
5.6.2 After Aging, Pleasantness / Unpleasantness, 1 hr @ 80°C		Not Tested	-2 max	Not Tested
5.6.2 After Aging Nature Of Smell, 1 hr @ 80°C		Not Tested	1 max	Not Tested
5.6.2 After Aging, Bodily Sensation, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.2.1 After Aging, Bodily Sensation Rating		Not Tested	Rating	Not Tested
5.6.2 After Aging, Material Smell, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.2.1 After Aging, Material Smell Rating		Not Tested	Rating	Not Tested

**Water Extracting Condition**

	<u>Equip</u>	<u>Evaluation</u>	<u>Specification</u>	<u>Result</u>
5.6.3 Initial, Intensity, 1 hr @ 80°C	N/A	Not Tested	2 min	Not Tested
5.6.3 Initial, Pleasantness / Unpleasantness, 1 hr @ 80°C		Not Tested	-1 max	Not Tested
5.6.3 Initial, Nature Of Smell, 1 hr @ 80°C		Not Tested	1 max	Not Tested
5.6.3 Initial, Bodily Sensation, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.3.1 Initial, Bodily Sensation Rating		Not Tested	Rating	Not Tested
5.6.3 Initial, Material Smell, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.3.1 Initial, Material Smell Rating		Not Tested	Rating	Not Tested
5.6.3 After Aging, Intensity, 1 hr @ 80°C		Not Tested	2 min	Not Tested
5.6.3 After Aging, Pleasantness / Unpleasantness, 1 hr @ 80°C		Not Tested	-1 max	Not Tested
5.6.3 After Aging Nature Of Smell, 1 hr @ 80°C		Not Tested	1 max	Not Tested
5.6.3 After Aging, Bodily Sensation, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.3.1 After Aging, Bodily Sensation Rating		Not Tested	Rating	Not Tested
5.6.3 After Aging, Material Smell, 1 hr @ 80°C		Not Tested	Description	Not Tested
5.6.3.1 After Aging, Material Smell Rating		Not Tested	Rating	Not Tested

CERTIFIED BY:

David Nichols II, Automotive Lab Technician

ISSUE DATE:

1-1-24

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.

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