AVERY DENNISON

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TEST REPORT

PRODUCT: **BNW 1079A**
SUPPORT: 2 MIL PET - FELT
SUBSTRATE: SS-COATED SS
CERT NO.: 240401 - 1338

TOYOTA TSK 5702GCLASS-3
OEM Rev Date: May 14
Double Coated Adhesive Tapes for Interior Trim Materials
Class 3 for adhesion of vinyl chloride coated fabrics

TAPE REQUIREMENTS:

SECTION: **5.2 Thickness**		Substrate	Specification	Results	Status
5.2, Thickness, PET		-	**Report mm**	0.1	**Reported**
5.2, Thickness, FELT		-	**Report mm**	1.0	**Reported**
SECTION: **5.3 Peel Strength**	ASTM D3330	**Substrate**	**Specification**	**Results**	**Status**
5.3, Peel Strength, Initial, 20 min dwell		SS	**5 N / 25 mm**	19.4	**Pass**
5.3.2, Peel Strength, At High Temp in Chamber, 30 min @ 70ºC, No Recovery		SS	**4 N / 25 mm**	23.5	**Pass**
5.3.3, Peel Strength, After Heat Aging, 96 hrs @ 70ºC, 24 hrs @ RT		SS	**15 N / 25 mm**	27.5	**Pass**
5.3.4, Peel Strength, At Humidity, 96 hrs @ 50ºC / 95% RH, No Recovery		SS	**10 N / 25 mm**	37.7	**Pass**
SECTION: **5.3 Shear Strength**	ASTM D1002	**Substrate**	**Specification**	**Results**	**Status**
5.3.1, Shear Strength, Initial, 20 min dwell		SS	**150 kPa**	334.8	**Pass**
5.3.2, Shear Strength, At High Temp in Chamber, 30 min @ 70ºC, No Recovery		SS	**50 kPa**	232.3	**Pass**
5.3.3, Shear Strength, After Heat Aging, 96 hrs @ 70ºC, 24 hrs @ RT		SS	**350 kPa**	375.4	**T Pass**
5.3.4, Shear Strength, At Humidity, 96 hrs @ 50ºC / 95% RH, No Recovery		SS	**200 kPa**	328.3	**Pass**
SECTION: **5.3.5 Holding Power**	ASTM D3654	**Substrate**	**Specification**	**Results**	**Status**
5.3.5, Shear Strength, 2 hrs @ 40ºC under 5 N		SS	**> 120 mins**	5760.0	**Pass**
SECTION: **5.4 Peel Strength**	ASTM D3330	**Substrate**	**Specification**	**Results**	**Status**
5.4.2, Peel Strength, Initial, 20 min dwell		Toyota Coated SS	**3 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 @ 70ºC, No Recovery		Toyota Coated SS	**4 N / 25 mm**	9.3	**Pass**
5.4.5, Peel Strength, After Heat Aging, 96 hrs @ 70ºC, 24 hrs @ RT		Toyota Coated SS	**13 N / 25 mm**	20.9	**Pass**
5.4.6, Peel Strength, At Humidity, 96 hrs @ 50ºC / 95% RH, No Recovery		Toyota Coated SS	**7 N / 25 mm**	27.5	**Pass**
SECTION: **5.4 Shear Strength**	ASTM D1002	**Substrate**	**Specification**	**Results**	**Status**
5.4.2, Shear Strength, Initial, 20 min dwell		Toyota Coated SS	**200 kPa**	263.1	**Pass**
5.4.3, Shear Strength, 24 hrs @ Room Temp		Toyota Coated SS	**200 kPa**	278.5	**Pass**
5.4.4, Shear Strength, At High Temp in Chamber, 30 min @ 70ºC, No Recovery		Toyota Coated SS	**50 kPa**	156.6	**T Pass**
5.4.5, Shear Strength, After Heat Aging, 96 hrs @ 70ºC, 24 hrs @ RT		Toyota Coated SS	**200 kPa**	370.4	**T Pass**
5.4.6, Shear Strength, After Humidity, 96 hrs @ 50ºC / 95% RH, No Recovery		Toyota Coated SS	**200 kPa**	317.0	**T Pass**
SECTION: **5.5 Creep Shear**	ASTM D3654	**Substrate**	**Specification**	**Results**	**Status**
5.5.1, Shear, Before Heat Aging, 30 mins @ 70ºC, 100 hrs @ 70ºC under 1 N Load		Toyota Coated SS	**< 4 mm slip**	No Slip	**Pass**
5.5.1, Shear, After Heat Aging, 96 hrs @ 70ºC, 24 hrs @ RT, 30 mins @ 70ºC, 100 hrs @ 70ºC under 1 N Load		Toyota Coated SS	**< 4 mm slip**	No Slip	**Pass**

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

Wet Condition	**Equip**	**Evaluation**		**Result**
5.6.2 Initial, Intensity, 1 hr @ 80ºC	N/A	Not Tested	3.5 min	Not Tested
5.6.2 Initial, Pleasantness / Unpleasantness, 1 hr @ 80ºC		Not Tested	-2 max	Not Tested
5.6.2 Initial, Nature Of Smell, 1 hr @ 80ºC		Not Tested	1 max	Not Tested
5.6.2 Initial, Bodily Sensation, 1 hr @ 80ºC		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 @ 80ºC		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 @ 80ºC		Not Tested	3.5 min	Not Tested
5.6.2 After Aging, Pleasantness / Unpleasantness, 1 hr @ 80ºC		Not Tested	-2 max	Not Tested
5.6.2 After Aging Nature Of Smell, 1 hr @ 80ºC		Not Tested	1 max	Not Tested
5.6.2 After Aging, Bodily Sensation, 1 hr @ 80ºC		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 @ 80ºC		Not Tested	Description	Not Tested
5.6.2.1 After Aging, Material Smell Rating		Not Tested	Rating	Not Tested

Water Extracting Condition	**Equip**	**Evaluation**		**Result**
5.6.3 Initial, Intensity, 1 hr @ 80ºC	N/A	Not Tested	2 min	Not Tested
5.6.3 Initial, Pleasantness / Unpleasantness, 1 hr @ 80ºC		Not Tested	-1 max	Not Tested
5.6.3 Initial, Nature Of Smell, 1 hr @ 80ºC		Not Tested	1 max	Not Tested
5.6.3 Initial, Bodily Sensation, 1 hr @ 80ºC		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 @ 80ºC		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 @ 80ºC		Not Tested	2 min	Not Tested
5.6.3 After Aging, Pleasantness / Unpleasantness, 1 hr @ 80ºC		Not Tested	-1 max	Not Tested
5.6.3 After Aging Nature Of Smell, 1 hr @ 80ºC		Not Tested	1 max	Not Tested
5.6.3 After Aging, Bodily Sensation, 1 hr @ 80ºC		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 @ 80ºC		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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