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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

5.2, Thickness, PET
5.2, Thickness, FELT

<u>Substrate</u>	<u>Specification</u>	<u>Results</u>	<u>Status</u>
-	Report mm	0.1	Reported
-	Report mm	1.0	Reported

SECTION: 5.3 Peel Strength

ASTM D3330

5.3, Peel Strength, Initial, 20 min dwell
5.3.2, Peel Strength, At High Temp in Chamber, 30 min @ 70°C, No Recovery
5.3.3, Peel Strength, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT
5.3.4, Peel Strength, At Humidity, 96 hrs @ 50°C / 95% RH, No Recovery

<u>Substrate</u>	<u>Specification</u>	<u>Results</u>	<u>Status</u>
SS	5 N / 25 mm	19.4	Pass
SS	4 N / 25 mm	23.5	Pass
SS	15 N / 25 mm	27.5	Pass
SS	10 N / 25 mm	37.7	Pass

SECTION: 5.3 Shear Strength

ASTM D1002

5.3.1, Shear Strength, Initial, 20 min dwell
5.3.2, Shear Strength, At High Temp in Chamber, 30 min @ 70°C, No Recovery
5.3.3, Shear Strength, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT
5.3.4, Shear Strength, At Humidity, 96 hrs @ 50°C / 95% RH, No Recovery

<u>Substrate</u>	<u>Specification</u>	<u>Results</u>	<u>Status</u>
SS	150 kPa	334.8	Pass
SS	50 kPa	232.3	Pass
SS	350 kPa	375.4	T Pass
SS	200 kPa	328.3	Pass

SECTION: 5.3.5 Holding Power

ASTM D3654

5.3.5, Shear Strength, 2 hrs @ 40°C under 5 N

<u>Substrate</u>	<u>Specification</u>	<u>Results</u>	<u>Status</u>
SS	> 120 mins	5760.0	Pass

SECTION: 5.4 Peel Strength

ASTM D3330

5.4.2, Peel Strength, Initial, 20 min dwell
5.4.3, Peel Strength, 24 hrs @ Room Temp
5.4.4, Peel Strength, At High Temp in Chamber, 30 min @ 70°C, No Recovery
5.4.5, Peel Strength, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT
5.4.6, Peel Strength, At Humidity, 96 hrs @ 50°C / 95% RH, No Recovery

<u>Substrate</u>	<u>Specification</u>	<u>Results</u>	<u>Status</u>
Toyota Coated SS	3 N / 25 mm	7.3	Pass
Toyota Coated SS	5 N / 25 mm	9.8	Pass
Toyota Coated SS	4 N / 25 mm	9.3	Pass
Toyota Coated SS	13 N / 25 mm	20.9	Pass
Toyota Coated SS	7 N / 25 mm	27.5	Pass

SECTION: 5.4 Shear Strength

ASTM D1002

5.4.2, Shear Strength, Initial, 20 min dwell
5.4.3, Shear Strength, 24 hrs @ Room Temp
5.4.4, Shear Strength, At High Temp in Chamber, 30 min @ 70°C, No Recovery
5.4.5, Shear Strength, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT
5.4.6, Shear Strength, After Humidity, 96 hrs @ 50°C / 95% RH, No Recovery

<u>Substrate</u>	<u>Specification</u>	<u>Results</u>	<u>Status</u>
Toyota Coated SS	200 kPa	263.1	Pass
Toyota Coated SS	200 kPa	278.5	Pass
Toyota Coated SS	50 kPa	156.6	T Pass
Toyota Coated SS	200 kPa	370.4	T Pass
Toyota Coated SS	200 kPa	317.0	T Pass

SECTION: 5.5 Creep Shear

ASTM D3654

5.5.1, Shear, Before Heat Aging, 30 mins @ 70°C, 100 hrs @ 70°C under 1 N Load

<u>Substrate</u>	<u>Specification</u>	<u>Results</u>	<u>Status</u>
Toyota Coated SS	< 4 mm slip	No Slip	Pass

5.5.1, Shear, After Heat Aging, 96 hrs @ 70°C, 24 hrs @ RT, 30 mins @ 70°C,
100 hrs @ 70°C under 1 N Load

Toyota Coated SS	< 4 mm slip	No Slip	Pass
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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	Equip	Evaluation	Specification	Result
Dry Condition			N/A			
5.6.1 Initial, Intensity, 1 hr @ 80°C				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		Equip	N/A	Evaluation		Result
5.6.2 Initial, Intensity, 1 hr @ 80°C				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		Equip	N/A	Evaluation		Result
5.6.3 Initial, Intensity, 1 hr @ 80°C				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:

1-1-25

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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