



## TEST REPORT



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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

Substrate	Specification	Results	Status
-	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

Substrate	Specification	Results	Status
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

Substrate	Specification	Results	Status
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

Substrate	Specification	Results	Status
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

Substrate	Specification	Results	Status
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

Substrate	Specification	Results	Status
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
- 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

Substrate	Specification	Results	Status
Toyota Coated SS	< 4 mm slip	No Slip	Pass
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 @ 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			Equip	Evaluation		Result
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			Equip	Evaluation		Result
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: 1-1-25

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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