



TEST REPORT

250 Chester Street
Painesville, Ohio 44077
Phone: **866-GO-AVERY (866-462-8379)**
Fax: **888-358-4469**
email: **psa.tape@averydennison.com**
URL: **tapes.averydennison.com**

PRODUCT: **FT 8299**
SUPPORT: **PE FOAM**
SUBSTRATE: **SS-COATED SS**
CERT NO.: **241014 - 0602**



TOYOTA TSK 5702GCLASS-1
OEM Rev Date: Oct 05
Double Coated Adhesive Tapes for Interior Trim Materials
Class 1 for adhesion of foams such as polyethylene foam

TAPE REQUIREMENTS:

SECTION: 5.2 Thickness*

5.2, Thickness, PET

5.2, Thickness, Foam

Substrate	Specification	Results	Status
-	> 0.13 < 0.21 mm	0.26	Reported
-	> 0.13 < 0.21 mm	6.36	Reported

SECTION: 5.3 Peel Strength

ASTM D3330

5.3, Peel Strength, Initial, 10 min dwell

5.3.2, Peel Strength, At High Temp, 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	10 N / 25 mm	21.0	Pass
SS	5 N / 25 mm	18.6	Pass
SS	15 N / 25 mm	39.9	Pass
SS	10 N / 25 mm	41.6	Pass

SECTION: 5.3 Shear Strength

ASTM D1002

5.3.1, Shear Strength, Initial, 10 min dwell

5.3.2, Shear Strength, At High Temp, 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	396.8	T Pass
SS	40 kPa	283.6	Pass
SS	350 kPa	387.3	T Pass
SS	200 kPa	336.0	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	120.0	Pass

SECTION: 5.4 Peel Strength

ASTM D3330

5.4.2, Peel Strength, Initial, 10 min dwell

5.4.3, Peel Strength, 48 hrs @ Room Temp

5.4.4, Peel Strength, At High Temp, 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	5 N / 25 mm	16.4	Pass
Toyota Coated SS	5 N / 25 mm	22.4	Pass
Toyota Coated SS	2 N / 25 mm	15.2	Pass
Toyota Coated SS	5 N / 25 mm	31.0	Pass
Toyota Coated SS	5 N / 25 mm	19.5	Pass

SECTION: 5.4 Shear Strength

ASTM D1002

5.4.2, Shear Strength, Initial, 10 min dwell

5.4.3, Shear Strength, 48 hrs @ Room Temp

5.4.4, Shear Strength, At High Temp, 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	90 kPa	80.6	T Pass
Toyota Coated SS	90 kPa	84.7	T Pass
Toyota Coated SS	40 kPa	60.5	T Pass
Toyota Coated SS	90 kPa	75.9	T Pass
Toyota Coated SS	90 kPa	72.7	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 0.3 N Load
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,
100 hrs @ 70°C under 0.3 N Load

Substrate	Specification	Results	Status
Toyota Coated SS	< 2 mm slip	No Slip	Pass
Toyota Coated SS	< 2 mm slip	No Slip	Pass

SECTION: 5.5 Creep Peel

ASTM D3654

5.5.2, Creep, Before Heat Aging, 30 mins @ 70°C,
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,
100 hrs @ 70°C under 0.3 N Load

Substrate	Specification	Results	Status
Toyota Coated SS	< 3 mm slip	13.3	Fail
Toyota Coated SS	< 3 mm slip	13.3	Fail

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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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 *.