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TEST REPORT

PRODUCT: **FT 1165**
SUPPORT: **XLPE FOAM**
SUBSTRATE: **SS-COATED SS**
CERT NO.: **221221 - 1447**



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, XLPE FOAM

Substrate	Specification	Results	Status
-	> 0.13 < 0.21 n	NA	-
-	> 0.13 < 0.21 n	NA	-

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	14.3	Pass
SS	5 N / 25 mm	9.5	Pass
SS	15 N / 25 mm	19.8	Pass
SS	10 N / 25 mm	13.6	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	329.5	Pass
SS	40 kPa	302.1	Pass
SS	350 kPa	350.1	Pass
SS	200 kPa	319.4	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	150	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	8.0	Pass
Toyota Coated SS	5 N / 25 mm	15.8	T Pass
Toyota Coated SS	2 N / 25 mm	5.9	Pass
Toyota Coated SS	5 N / 25 mm	20.4	T Pass
Toyota Coated SS	5 N / 25 mm	11.9	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	114.2	T Pass
Toyota Coated SS	90 kPa	116.0	T Pass
Toyota Coated SS	40 kPa	88.8	T Pass
Toyota Coated SS	90 kPa	120.6	T Pass
Toyota Coated SS	90 kPa	104.6	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

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	2.1	Pass
Toyota Coated SS	< 3 mm slip	3.0	Pass

CERTIFIED BY:

Dave Nichols Jr, 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 *.