

<b>TEST REPORT</b>	<b>PRODUCT:</b> 4148M L/S
NISSAN NES M 8506 – 2008 CLASS 1 (Interior)	<b>TEST SUBSTRATE:</b> Stainless Steel
DOCUMENT TITLE: Pressure-Sensitive Adhesive Double-Coated Tapes for Automobiles	<b>REPORT DATE:</b> 06/26/23

DIVISION	TEST ITEMS ❶	REQT	RESULTS	STATUS
GENERAL PROPERTIES	<b>5.8 STORAGE STABILITY</b>			
	APPEARANCE	Free... (1)	Free... (1)	PASS
	PEEL STRENGTH [168H @ 40°C]	>4.9 N/25mm	40.0 N/25mm [CF]	PASS
	SHEAR STRENGTH [168H @ 40°C]	> 98 kPa	221 kPa	PASS
WORK-ABILITIES	<b>5.9 RE-ADHESION</b>			
	Primary Peel (30 S)	Interfacial Failure (2)	CF	FAIL
	Secondary Peel (10 H)	>60% of Orig.	27.4 N/25mm [AF]	PASS
PHYSICAL PROPERTIES	<b>5.11 ADHESIVE STRENGTH IMMEDIATELY AFTER AFFIXING</b>			
	5°C X 30 SEC	2.9 N/25mm	34.2 N/25mm [MF]	PASS
	23°C X 30 SEC	Report	33.6 N/25mm [CF]	REPORT
	<b>5.12 ROOM TEMP ADH. PERFORMANCE [23°C]</b>			
	PEEL STRENGTH	>4.9 N/25mm	33.5 N/25mm [CF]	PASS
	SHEAR STRENGTH	> 98 kPa	257 kPa	PASS
	SHEAR HOLDING FORCE [HR] 0.2 KG	Report	168 Hours +	PASS
	<b>5.13 HIGH TEMP ADH. PERFORMANCE [90°C]</b>			
	PEEL STRENGTH	>1.47 N/25mm	2.6 N/25mm [CF]	PASS
	SHEAR STRENGTH	>1.47 kPa	27.9 kPa	PASS
	SHEAR HOLDING FORCE [HR] 0.1 KG	Report	50 min.	REPORT
ENDURANCE CAPABILITY	<b>5.17 HEAT AGING (90°C X 168H)</b>			
	PEEL STRENGTH	>90% of Orig.	34.1 N/25mm [CF]	PASS
	SHEAR STRENGTH	>90% of Orig.	272 kPa	PASS
	<b>5.18 HUMIDITY RESISTANCE</b>			
	PEEL STRENGTH	>60% of Orig.	34.8 N/25mm [MF]	PASS
	SHEAR STRENGTH	>60% of Orig.	284 kPa	PASS

+ = Static Shear in Hours – No Failure (Testing Discontinued)

(1) Shall be uniformly wound and free from significant deformations and cavities while both side faces shall be flat.

(2) During primary peel, the tape shall peel interfacially from the substrate.

Symbol Failure mode:

**AF** Interfacial separation of substrate and tape; **MF** Mixing of interfacial separation and tape failure; **CF** Cohesive split of tape.

❶ Products tested backed with 25 micron PET.

APPROVED:

Original Test Date: 1/25/2021  
Berry Global Technical Service Department

Conditioning and Testing per NISSAN NES M 8506 – 2008

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