

TEST REPORT	PRODUCT: 653♦
NISSAN NES M 8506 – 2008 CLASS 1 (Interior)	TEST SUBSTRATE: Stainless Steel
DOCUMENT TITLE: Pressure-Sensitive Adhesive Double-Coated Tapes for Automobiles	REPORT DATE: 06/26/23

DIVISION	TEST ITEMS ❶	REQT	RESULTS	STATUS
GENERAL PROPERTIES	5.8 STORAGE STABILITY			
	APPEARANCE	Free... (1)	Free... (1)	PASS
	PEEL STRENGTH [168H @ 40 °C]	>4.9 N/25mm	24.8 N/25mm [AF]	PASS
	SHEAR STRENGTH [168H @ 40 °C]	> 98 kPa	158 kPa	PASS
WORK-ABILITIES	5.9 RE-ADHESION			
	Primary Peel (30 S)	Interfacial Failure (2)	AF	PASS
	Secondary Peel (10 H)	>60% of Orig.	15.3 N/25mm [AF]	PASS
PHYSICAL PROPERTIES	5.11 ADHESIVE STRENGTH IMMEDIATELY AFTER AFFIXING			
	5 °C X 30 SEC	2.9 N/25mm	13.7 N/25mm [AF]	PASS
	23 °C X 30 SEC	Report	16.4 N/25mm [AF]	REPORT
	5.12 ROOM TEMP ADH. PERFORMANCE [23 °C]			
	PEEL STRENGTH	>4.9 N/25mm	18.7 N/25mm [AF]	PASS
	SHEAR STRENGTH	> 98 kPa	161 kPa	PASS
	SHEAR HOLDING FORCE [HR] 0.2 KG	Report	168 Hours +	PASS
	5.13 HIGH TEMP ADH. PERFORMANCE [90 °C]			
	PEEL STRENGTH	>1.47 N/25mm	16.7 N/25mm [CF]	PASS
	SHEAR STRENGTH	>1.47 kPa	98.2 kPa	PASS
ENDURANCE CAPABILITY	SHEAR HOLDING FORCE [HR] 0.1 KG	Report	24 Hours +	REPORT
	5.17 HEAT AGING (90 °C X 168H)			
	PEEL STRENGTH	>90% of Orig.	35.4 N/25mm [MF]	PASS
	SHEAR STRENGTH	>90% of Orig.	166 kPa	PASS
	5.18 HUMIDITY RESISTANCE			
	PEEL STRENGTH	>60% of Orig.	33.5 N/25mm [AF]	PASS
	SHEAR STRENGTH	>60% of Orig.	156 kPa	PASS

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

♦ Transfer (unsupported)

adhesive

- (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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