TEST REPORT	PRODUCT:	654M
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	24.3 N/25mm [AF]	PASS
	SHEAR STRENGTH [168H @ 40°C]	> 98 kPa	221 kPa	PASS
WORK-ABILITIES	5.9 RE-ADHESION			
	Primary Peel (30 S)	Interfacial Failure (2)	AF	PASS
	Secondary Peel (10 H)	>60% of Orig.	19.1 N/25mm [AF]	PASS
PHYSICAL PROPERTIES	5.11 ADHESIVE STRENGTH IMMEDIATELY AFTER AFFIXING			
	5°C X 30 SEC	2.9 N/25mm	18.9 N/25mm [AF]	PASS
	23°C X 30 SEC	Report	20.1 N/25mm [AF]	REPORT
	5.12 ROOM TEMP ADH. PERFORMANCE [23°C]			
	PEEL STRENGTH	>4.9 N/25mm	24.2 N/25mm [AF]	PASS
	SHEAR STRENGTH	> 98 kPa	242 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	12.5 N/25mm [CF]	PASS
	SHEAR STRENGTH	>1.47 kPa	125 kPa	PASS
	SHEAR HOLDING FORCE [HR} 0.1 KG	Report	24 Hours +	REPORT
ENDURANCE CAPABILITY	5.17 HEAT AGING (90°C X 168H)			
	PEEL STRENGTH	>90% of Orig.	33.8 N/25mm [MF]	PASS
	SHEAR STRENGTH	>90% of Orig.	222 kPa	PASS
	5.18 HUMIDITY RESISTANCE			
	PEEL STRENGTH	>60% of Orig.	28.1 N/25mm [AF]	PASS
	SHEAR STRENGTH	>60% of Orig.	224 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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