

KES

Specification of Masking Tape

KES B-L023

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1. Scope of Application

This standard specifies the quality standard and the testing methods for urethane craft paper adhesive tape used for general masking in the assembling of motor vehicles.

2. Material Symbol

The material symbol is defined as A-TM02.

3. Quality

The quality of the general masking tape shall be as shown in Table 1.

Table 1

Item		Condition	A-TM02	Test method
Thickness mm			0.08-0.09	4.1
Adhesive strength gf/24mm	State		350 or more	4.2
	After storage	After RT 48Hr	350 or more	
Maintenance	mm	24 x 25mm 1kg 15min	1.5 or less	4.3
Adhering strength	gf/24mm		230 or more	4.4
Tensile strength	kgf/24mm		10 ± 2	4.5
Elongation	%		25-35	4.5
Expansion heat resistance	gf		70 or more	4.6
Contamination of painted plate		140°C, 20min	No mark of adhesive	4.7

4. Testing Method

4.1 Thickness

Shall conform to 5.1 of KS A 1107, (Testing method of pressure sensitive adhesive tapes and sheets).

4.2 Adhesive Strength

(1) State

The test piece is adhered to a painted plate and is compressed by reciprocating a roller weighing 2kg, 3 times, and it is they exposed to the atmospheric temperature for 30 minutes. Then the adhesive strength is measured.

(2) After maintenance

The test piece is exposed to the atmospheric temperature for 48 hours and then the adhesive strength is measured.

4.3 Maintenance Force

Shall conform to 11 of KS A 1107. The dimensions of the adhered surface, load, and duration are