

Specification and Testing  
Method of High Temperature  
Masking Tape for Painting

**KES**

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## 1. Scope of Application

This standard specifies the quality specification and testing method of tape rubber series adhesion treated on crepe paper, and used in high temperatures, hot air and burning painting such as rear tire house masking floor taping and black paint masking.

## 2. Material Symbol

The material symbol shall be A-TM01.

## 3. Quality Conditon

With good workability, the tape shall be uniformly rolled, with no severe deformation or lift, and have good heat resistance, with no smears or remnant of the adhesive material after masking. Test result by para. 5 shall satisfy para. 4.

## 4. Quality Specification

Table 1

| Items                                 | Condition                |                        | A-TM01              | Testing method |
|---------------------------------------|--------------------------|------------------------|---------------------|----------------|
| Thickness mm                          | Vernier calipers         |                        | 0.1 - 0.16          | 5.1            |
| Initial adhesion strength g/25mm      | RT X 30 minutes          |                        | 660 or more         | 5.2            |
| Tensile strength kg/25mm              | Tensile speed 300mm/min  |                        | 10 ± 1.0            | 5.3            |
| Elongation (%)                        |                          |                        | 10 - 12             |                |
| Heat resistance aging characteristics | 160°C<br>30 min          | Adhesion force kg/25mm | 770 or more         | 5.4            |
|                                       |                          | Physical appearance    | No smears, remnants |                |
|                                       | 180°C<br>30 min          | Adhesion force kg/25mm | 920 or more         |                |
|                                       |                          | Physical appearance    | No smears, remnants |                |
| Expansion heat resistance (g)         | Tensile speed 300mm/min  |                        | 70 or more          | 5.5            |
| Supporting force (mm)                 | RT X 60 minutes load 1kg |                        | 3 or less           | 5.6            |

## 5. Testing Method

### 5.1 Thickness

Take a 500mm long test piece, and bend and overlap the two sheets with the inner surface facing inwards, and measure 3 locations at the same intervals lengthwise using a 0.01mm scale dial gauge