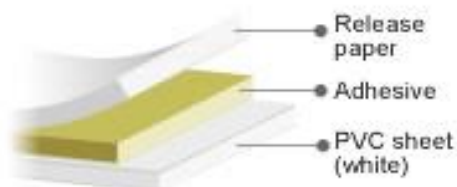


Masking tapes for automotive PVC8030

Features

- Made of PVC film (Cadmium free) fitting curved surfaces.
- Punching process is available with release paper. Enables sharp painting finish.
- Easy removal without adhesive residue after baking paint.

Structure



Main component	Acrylic
Carrier	About 90µm PVC
Color	White
Adhesive thickness (µm)	About 105
Release paper thickness (µm)	About 115
Bonding strength (N/20mm) *	7
St'd size (width × length)	400mm × 100m

* 180° peeling strength

Suitable use

- It is suitable for the masking use in an automobile painting process.

Technical data

1. Bonding strength on various type of substrate (180° peeling)

<Test piece condition>

Substrate: Stainless steel plate (SUS304)

Tape width: 20mm

Bonding condition: One stroke with 2-kg roller

Measuring condition: 23°C±5°C 60%±20% RH

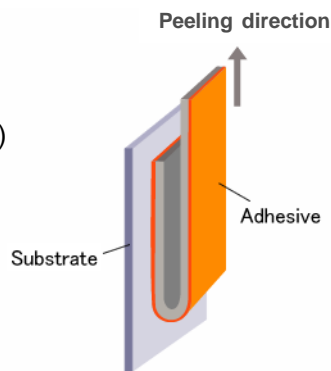
Peeling speed: 300mm/min

[Left at RT for one hour before measurement]

<Results>

(N/20mm)

180° peeling strength	6.5
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<180° peeling strength test>

2. Holding power

<Test piece condition>

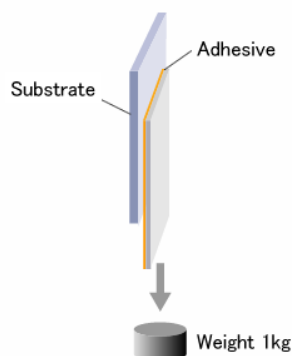
Substrate: Stainless steel plate (SUS304)

Bonding area: 25mm × 25mm

Bonding condition: One stroke with 2-kg roller

[Left at RT for one hour and then at 40° for 30 minutes before measurement]

[Creep length after one hour application of 1-kg load at 40°]



<Holding power test>

<Results>

Measurement temperature (°C)	40
Creep length (mm)	0

3. Masking evaluation

<Baking paint conditions>

Apply the baking paint as following process.

Electrode position coated steel plate ⇒ Under-coating (black, baking at 160°C for 30 minutes)

⇒ Put Masking tapes (PVC8030/PVC8032) ⇒ Middle-coating (white, baking at 160°C for 30 minutes)

⇒ Top-coating (clear, baking at 160°C for 30 minutes)

Left at RT, remove the masking tapes (peeling speed: 300mm/min.).

Then, evaluate the following characteristics.

<Measuring method>

Adhesive residue: Visual check of adhesive residue on under-coat.

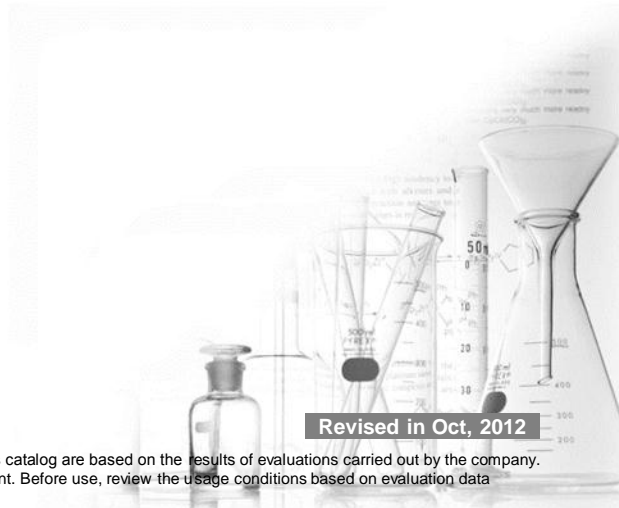
Paint edge sharpness: Visual check of the paint edge sharpness of under/middle/top-coat.

Tarnish: Visual check of tarnish of the masked surface on the under-coat.

Flaking: Visual check of flaking from middle/top-coats.

<Results>

<Masking evaluation>	
Adhesive residue	OK
Paint edge sharpness	OK
Tarnish	OK
Flaking	OK



Note on the characteristic data given— Data on the characteristics of the products described in this catalog are based on the results of evaluations carried out by the company. This does not guarantee that the characteristics of the product conform with your usage environment. Before use, review the usage conditions based on evaluation data obtained from the equipment and substrates actually used.

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