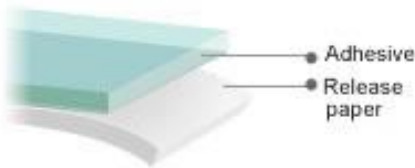


Adhesive transfer tapes NP203

Features

- The adhesive layer of this tape is of uniform thickness and is without carrier. As a result, the design and appearance of the products on which it is used can be immensely improved.
- It can be punched into defined shapes with far fewer “burrs” or “sagging”.
- NP203 has excellent adhesive property. Its adhesive strength is retained at a wide range of temperatures.

Structure



Main component	Acrylic
Carrier	Non-carrier
Color	Transparent
Adhesive thickness (μm)	About 50
Release paper thickness (μm)	About 90
Bonding Strength (N/20mm) *2	13
St'd size (width & length)	500mm × 100m

* UL certificated. UL file No: (UL969 NO.MH15431)

*2 180° peeling strength

Suitable use

- It is suitable for the material bonding usage of plastic such as nameplates and front panels of electricity and an electronic equipment (ABS, PS, and acrylic resin, etc.) and the metals (aluminum and stainless steel plate, etc.).
- For bonding stiffener to FPC and bonding FPC. (PI, PET, and Al, etc.)

Technical data

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

<Test piece condition>

Substrate: Stainless steel plate (SUS304), Aluminum plate,

Styrene plate, ABS plate

Tape width: 20mm

Bonding condition: One stroke with 2-kg roller

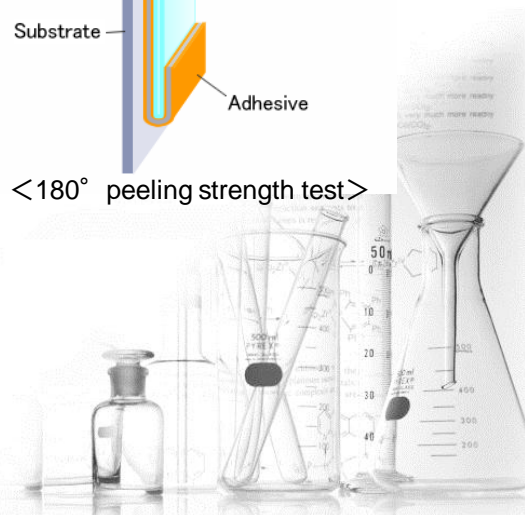
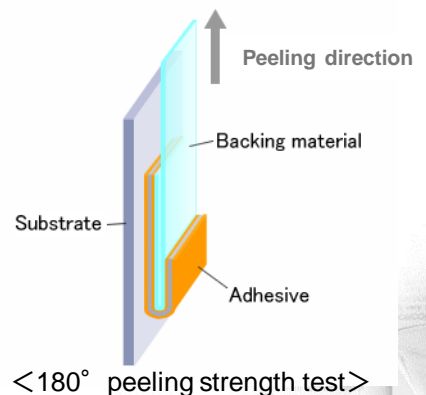
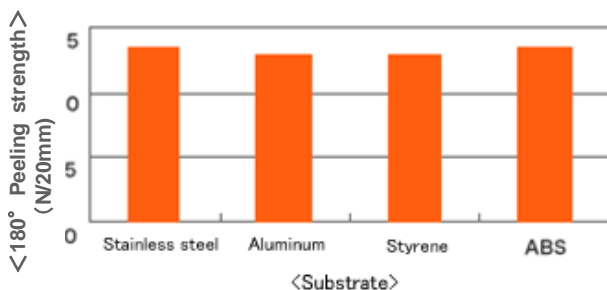
Measuring condition: 23°C ± 5°C 60% ± 20%RH

Peel speed: 300mm/min

Backing material: 25μmPET

[Left at RT for one hour before measurement]

<Results>



2. Holding power at different temperatures

<Test piece condition>

Substrate: Stainless steel plate (SUS304)

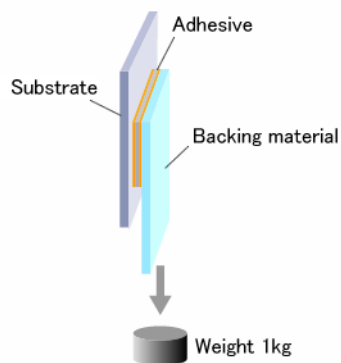
Bonding area: 25mm × 25mm

Bonding condition: One stroke with 2-kg roller

Backing material: 25μmPET

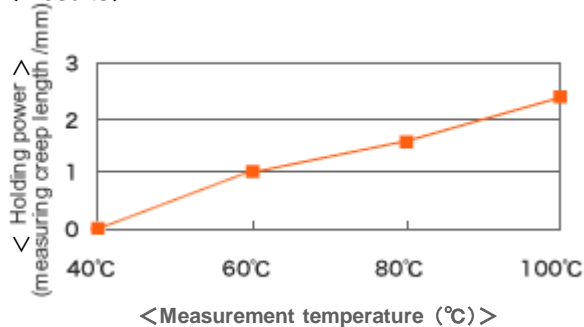
[Left at RT for one hour and then at each temperature for 30 Minutes before measurement]

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



<Holding power test>

<Results>



3. Bonding strength at different temperatures (180° peeling)

<Test piece condition>

Substrate: Stainless steel plate (SUS304)

Tape width: 20mm

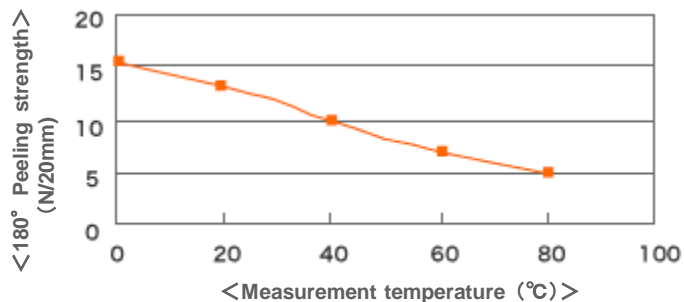
Bonding condition: One stroke with 2-kg roller

Peel speed: 300mm/min

Backing material: 25μmPET

[Left at RT for one day and then at each temperature for 30 minutes before measurement]

<Results>



4. Reliability of bonding strength under different conditions (180° peeling)

<Test piece condition>

Substrate: Stainless steel plate (SUS304)

Tape width: 20mm

Bonding condition: One stroke with 2-kg roller

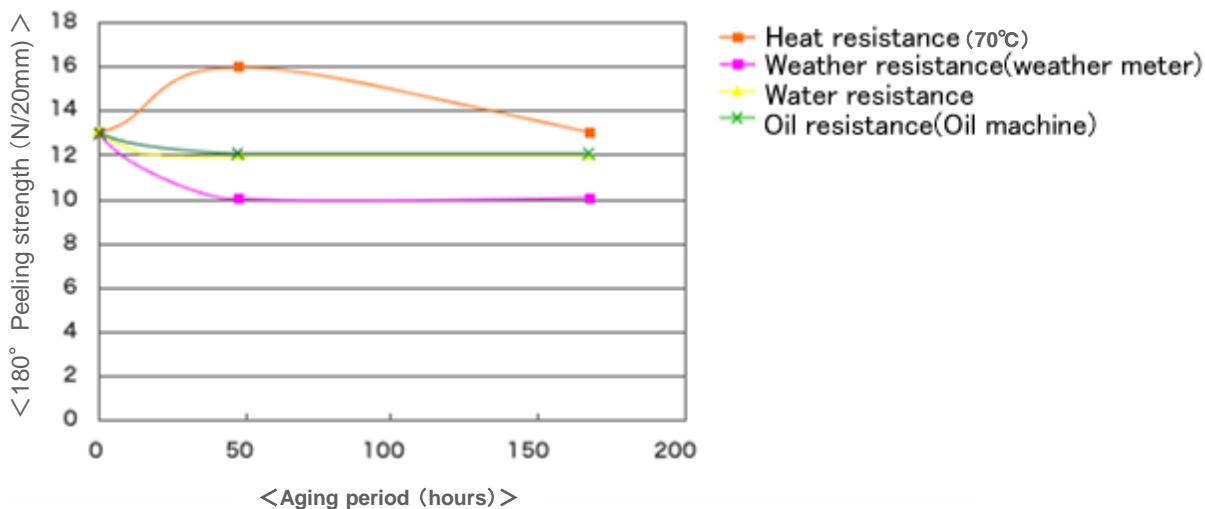
Measuring condition: 23°C±5°C 60%±20%RH

Peel speed: 300mm/min

Backing material: 25µmPET

[Left at RT for one day and aged under each condition before measurement]

<Results>



Revised in Oct. 2012

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.

Dexerials Corporation

URL: <http://www.dexerials.jp/en/>

Head Office: Gate City Osaki, East Tower 8th floor, 1-11-2 Osaki, Shinagawa-ku, Tokyo, JAPAN 141-0032

Sales & Marketing Dep. TEL : +81-3-5435-3946