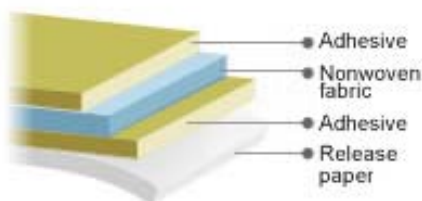


Strong adhesive type double coated tapes UT1015BU

Features

- Adhesive tape with lower environmental impact with UV curable manufacturing method (non solvent adhesive coating process).
- It has the adhesive power about twice G series (compared with our company), and it is suitable for bonding on plastic and a metallic side.
- It is possible to excel in heatproof, and to use it under the environment of 120°C.

Structure



Main component	Acrylic
Carrier	Nonwoven fabric
Color	Translucent
Adhesive thickness (μm)	About 150
Release paper thickness (μm)	About 130
Bonding strength (N/20mm) *	27
St'd size (width & length)	480mm × 50m

* 90° 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.).

Technical data

1. Bonding strength on various type of substrate (90° peeling)

<Test piece condition>

Tape width: 20mm

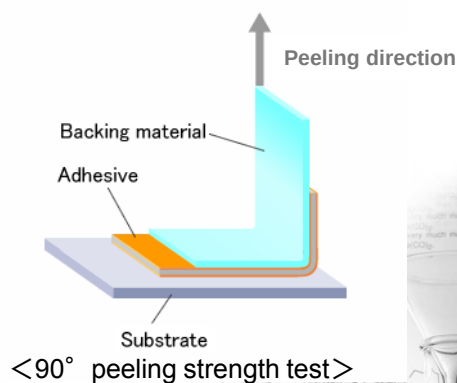
Bonding condition: One stroke with 2-kg roller

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

Peeling speed: 300mm/min

Backing material: 40μm Aluminum foil

[Left at RT for one day before measurement]



<Results>

Substrate	SUS	Iron	AL	Copper	ABS	PC	Acrylic
90° peeling strength (N/20mm)	27.2	28.0	16.8	27.7	12.6	14.0	16.0

2. Holding power at different temperatures

<Test piece condition>

Substrate: Stainless steel plate (SUS304)

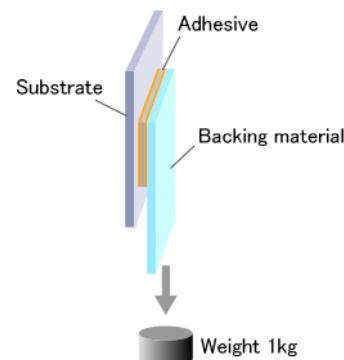
Bonding area: 25mm × 25mm

Bonding condition: One stroke with 2-kg roller

Backing material: 40μm Aluminum foil

[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.]



<Results>

Measurement temperature	40°C	80°C	120°C
Creep length (mm)	0.2	0.8	1.0

<Holding power test>

3. Reliability of bonding strength under different conditions (90° peeling)

<Test piece condition>

Substrate: Stainless steel plate (SUS304)

Tape width : 20mm

Bonding condition: One stroke with 2-kg roller

Peeling speed : 300mm/min

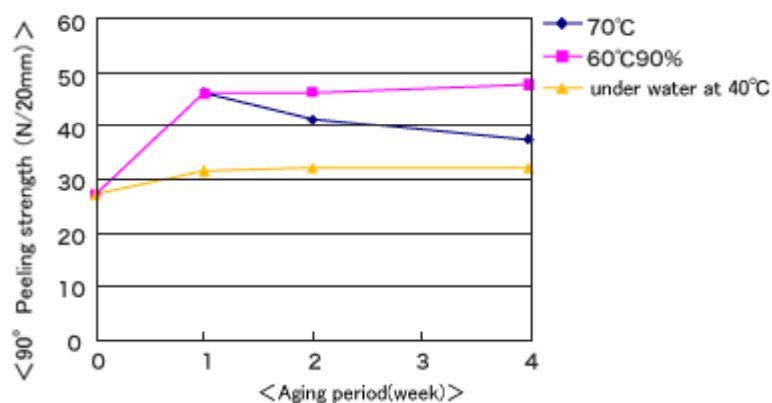
Backing material: 40μm Aluminum foil

[Left at RT for four hours and aged under each condition before measurement]

<Results>

(N/20mm)

90° peeling strength		Initial	1 week	2 weeks	4 weeks
Heat resistance	70°C	27.2	46.4	41.2	37.5
Heat & moisture resistance	60°C 90%RH	27.2	46.1	46.4	47.8
Water resistance	Under water at 40°C	27.2	31.4	31.9	31.9



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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