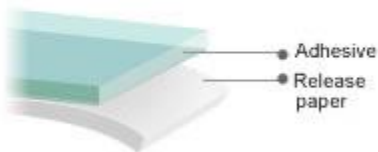


Strong adhesive transfer tapes UT5825

Features

- Adhesive tape with lower environmental impact with UV curable manufacturing method (non solvent adhesive coating process).
- High heat resistance; can be used in environments of up to 120°C.
- Maximum bonding strength is about four times as strong as G series (the conventional company products). Excellent adhesion to glass and metallic surfaces.

Structure



Main component	Acrylic
Carrier	Non-carrier
Color	Translucent white
Adhesive thickness (μm)	About 250
Release paper thickness (μm)	About 130
Bonding strength (N/20mm) *	31
St'd size (width & length)	480mm × 50m

* 90° peeling strength

Suitable use

- Ideal for bonding plastics (ABS, PS and acrylic) and metals (Aluminum and stainless steel).
- Ideal for applications requiring waterproofing and air tightness.

Technical data

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

<Test piece condition>

Tape width: 20mm

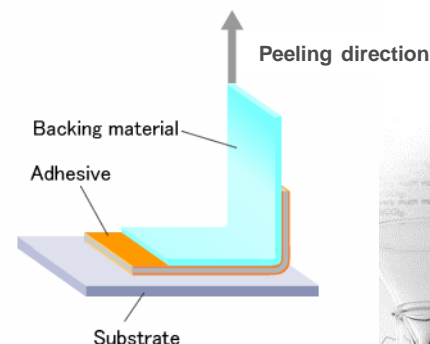
Bonding condition: One stroke with 2-kg roller

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]



<90° peeling strength test>

<Results>

Substrate	SUS	Iron	AL	Copper	ABS	PC	Acrylic
90° peeling strength	31.4	35.3	31.4	29.4	23.5	23.5	23.5

2. Holding power at different temperatures

<Test piece condition>

Substrate: Stainless steel plate (SUS304)

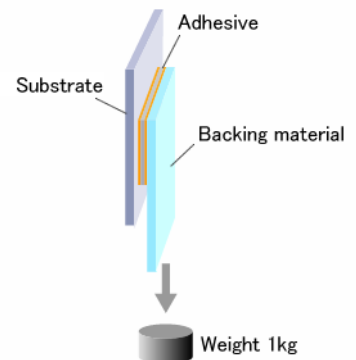
Bonding area: 25mm × 25mm

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]



< Holding power test >

<Results>

Measurement temperature	40°C	80°C	120°C
Creep length (mm)	0.2	0.3	0.5

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

< Test piece condition >

Substrate: Stainless steel plate (SUS304)

Tape width: 20mm

Bonding condition: One stroke with 2-kg roller

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

Peeling speed: 300mm/min

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

Backing materia: 40μm Aluminum foil

<Results>

(N/20mm)

90° peeling strength		Initial	1 week	2 weeks	3 weeks	4 weeks
Heat resistance	70°C	31.4	43.9	47.1	50.2	48.7
Heat & moisture resistance	60°C 90%RH	31.4	40.8	37.7	37.7	36.9
Water resistance	40°C water inside	31.4	42.4	40.8	38.6	39.1



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