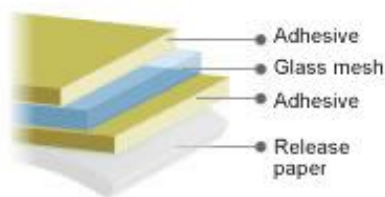


Strong glass mesh carrier type double coated tapes UT3870

Features

- Adhesive tape with lower environmental impact with UV curable manufacturing method (non solvent adhesive coating process).
- Maximum bonding strength is about three times as strong as G series (the conventional company products). Excellent adhesion to glass and metallic surfaces.
- Special glass mesh offers high toughness, durability and weather resistance. Also offers both flexibility and high tensile strength.
- High heat resistance; can be used in environments of up to 120°C.
- Excellent water-proof and weather resistance for outdoor use.

Structure



Main component	Acrylic
Carrier	Glass mesh
Color	Translucent white
Adhesive thickness (μm)	About 700
Release paper thickness (μm)	About 130
Bonding strength (N/20mm) *	39
St'd size (width & length)	480mm × 20m

* 90° peeling strength

Suitable use

- Ideal for bonding plastic (ABS, PS and Acrylic) parts such as nameplates and front panels and metallic parts (aluminum and SUS).
- Ideal for bonding glass, plastic and metallic parts such as automobile exteriors (e.g. external antenna) and automobile interiors (e.g. control switch).



Technical data

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

<Test piece condition>

Tape width: 20mm

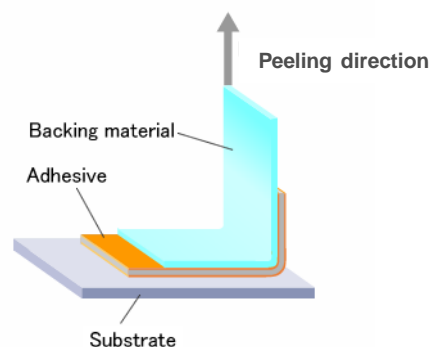
Bonding condition: One stroke with 2-kg roller

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>

(N/20mm)

Substrate	SUS	Iron	AL	Copper	ABS	PC	Acrylic
90° peeling strength	39.1	40.5	36.2	33.7	28.6	27.2	27.5

2. Holding power at different temperatures

<Test piece condition>

Substrate: Stainless steel plate (SUS304)

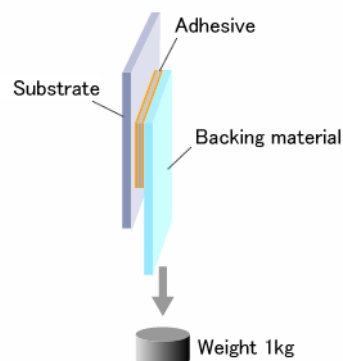
Bonding area: 25mm × 25mm

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	120°C	150°C
Creep length (mm)	1.2	1.6

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

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