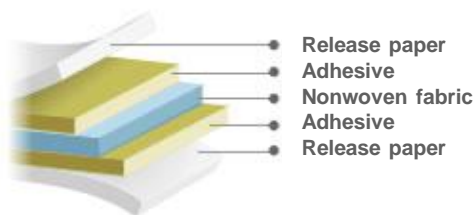


General-purpose double coated tapes T4000/T4000W

Features

- T4000 is double coated adhesive tape developed for the requirement of strong and permanent bonding. It is highly selected double coated adhesive tape with outstanding reliability, having high temperature adhesion.

Structure



Product name	T4000	T4000W *3
Main component	Acrylic	Acrylic
Carrier	Nonwoven fabric	Nonwoven fabric
Color	Translucent *4	Translucent *4
Adhesive thickness (μm)	About 150	About 150
Release paper thickness (μm)	About 145	About 145+120
Bonding strength (N/20mm) *1	11.77	11.77
Bonding strength (N/20mm) *2	8.00	8.00
St'd size (width & length)	500mm × 50m	500mm × 50m

*1 180° peeling strength / substrate : stainless steel SUS304 (surface is polished by #280 sandpaper)

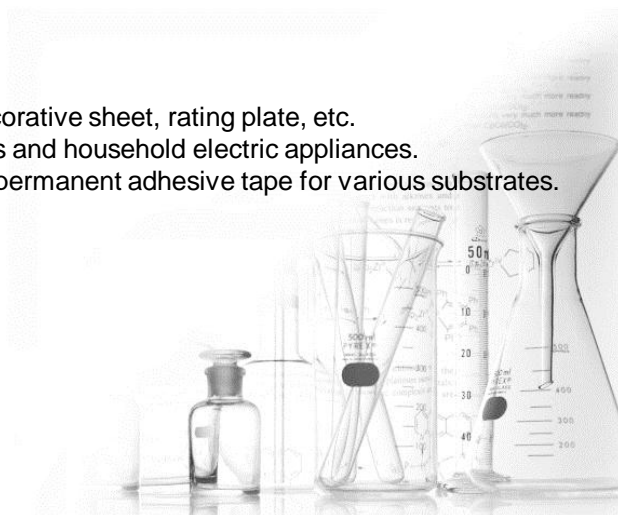
*2 180° peeling strength / substrate : stainless steel SUS304BA

*3 T4000W/T4000BW is with both side release paper.

*4 T4000B/T4000BW is black type.

Suitable use

- T4000 is most suitable for the adhesion to surface decorative sheet, rating plate, etc. Made of metal and plastic material for the automobiles and household electric appliances. T4000 is recommendable for use as a double coated permanent adhesive tape for various substrates.



[Remarks]

*The above values are sample observed values, not the guaranteed performance.

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

<Test piece condition>

Tape width: 20mm

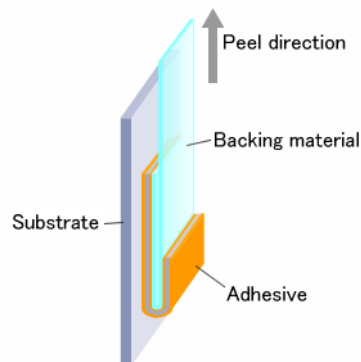
Bonding condition: One stroke with 2-kg roller

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

Peeling speed: 300mm/min

Backing material: 25µmPET

[Left at RT for one hour before measurement]



<180° peeling strength test>

<Results>

(N/20mm)

Substrate	AL	ABS	Acrylic	PC	CR	NR
180° peeling strength	13.0	14.1	14.9	15.4	3.2	2.8

2. Holding power at different temperatures

<Test piece condition>

Substrate: Stainless steel plate SUS304

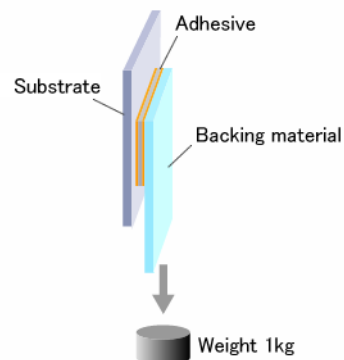
(surface is polished by #280 sandpaper)

Bonding area: 25mm × 25mm

Bonding condition: One stroke with 2-kg roller

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

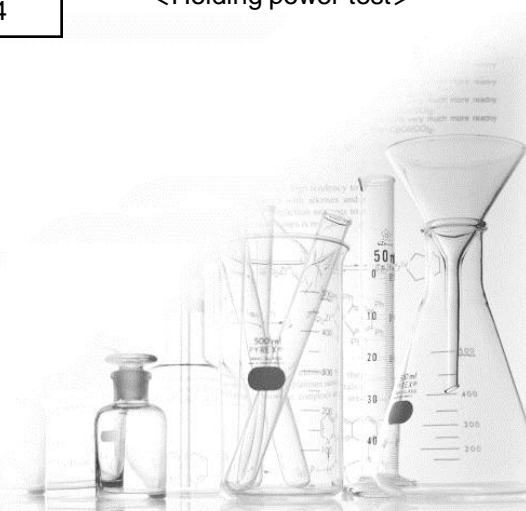
[Creep length after one hour application of 1-kg load]



<Holding power test>

<Results>

Measurement temperature	40°C	60°C	80°C
Creep length (mm)	0.3	0.4	0.4



3. Reliability of bonding strength (180° peeling)

<Test piece condition>

Substrate : Stainless steel SUS304 (surface is polished by #280 sandpaper)

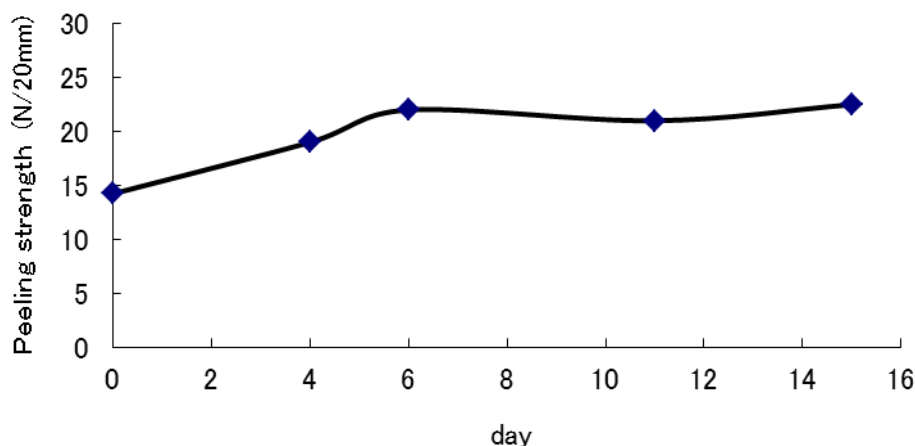
Tape width : 20mm

Bonding condition : One stroke with 2-kg roller

Peeling speed : 300mm/min

Backing material : 25 μ mPET

[Leave the substrate for one hour at room temperature and aging at 70 °C condition]



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

<Test piece condition>

Substrate : Stainless steel plate SUS304 (surface is polished by #280 sandpaper)

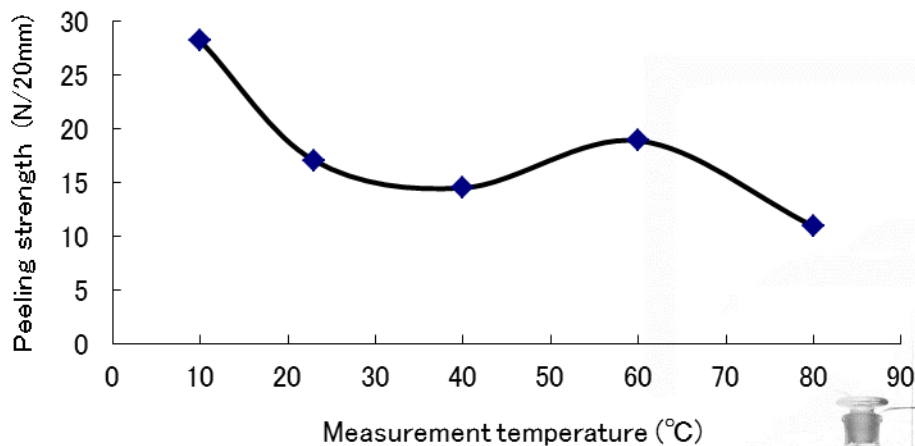
Tape width : 20mm

Bonding condition : One stroke with 2-kg roller

Peeling speed : 300mm/min

Backing material : 100°C25 μ mPET

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



◆ 注意: 本レポートに掲載されている特性データなどは、当社の実施した評価結果に基づいたものですが、お客さまのご使用時の製品特性を保証するものではありません。ご使用の際は、実際に使用される装置および被着材での評価結果に基づき、使用条件を充分ご検討の上、ご使用いただけますようお願いいたします。

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