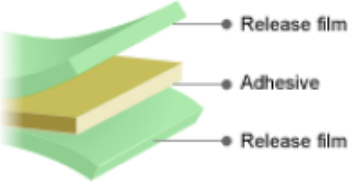
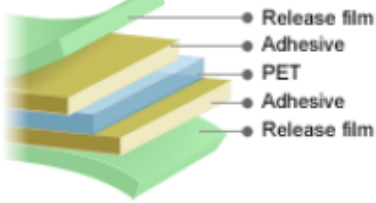


Low outgas adhesive transfer tapes T4412W/T4412WP

Features

- Excellent in adhesion with Polyimide film(PI),stainless steel(SUS) and etc.
- T4412WP is excellent for handling and punching process by adhesive with PET carrier.
- Low outgas type.

Structure

Product name	T4412W	T4412WP
Structure	 <ul style="list-style-type: none"> ● Release film ● Adhesive ● Release film 	 <ul style="list-style-type: none"> ● Release film ● Adhesive ● PET ● Adhesive ● Release film
Main component	Acrylic	Acrylic
Carrier	—	PET film
Color	Transparent	Transparent
Adhesive thickness (μm)	About 45	About 55
Release paper thickness (μm)	About 50+38	About 75+75
Bonding strength (N/20mm) *	12	12
St'd size(width & length)	500mm × 100M	500mm × 100M

* 180° peeling strength (Substrate:SUS)

Suitable use

- It is suitable for bonding FPC.

Technical data

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

<Test piece condition>

Tape width: 20mm

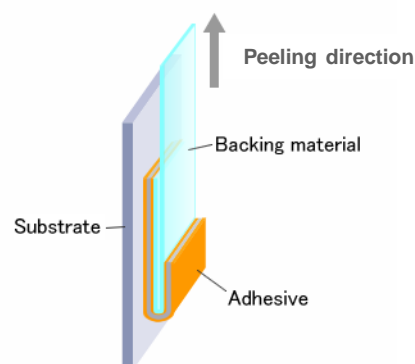
Bonding condition: One stroke with 2-kg roller

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

Peel speed: 300mm/min

Backing material: 25µmPET

[Left at RT for one hour before measurement]



<180° peeling strength test>

<Result>

(N/20mm)

	Substrate	T4412W	T4412WP
180° Peeling strength	SUS	12	12
	PI	11	11

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

<Test piece condition>

Substrate: SUS

Tape width: 20mm

Bonding condition: One stroke with 2-kg roller

Peel speed: 300mm/min

Backing material: 25µmPET

[Left at RT for one hour and then at each temperature for 5 minutes before measurement]

<Result>

(N/20mm)

	Measuring condition	T4412W	T4412WP
180° Peeling strength	23°C	12	12
	40°C	11	10
	60°C	10	9
	80°C	8	6

3. Holding power at different temperatures

<Test piece condition>

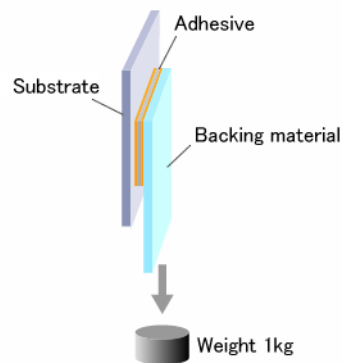
Substrate: SUS

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>

<Result>

(mm)

	Measuring condition	T4412W	T4412WP
Creep length	40°C	0.2	0.2
	100°C	0.3	0.3

4. Outgas

<Test method and condition>

Test method: Dynamic headspace method (Purge & Trap) Gas chromatography-mass spectrometry.

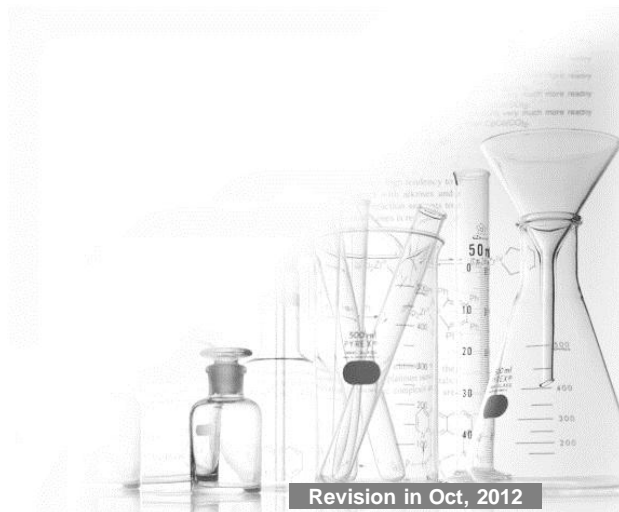
Standard substance: tetra-decane

Outgassing condition: 120°C 1hour

<Results>

(ppm)

	T4412W	T4412WP
Outgas	90	30



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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