



#1 Coating Technology in The World
Molecule Gradient Layer (MGL)TM Technology

Very high-bond strength Adhesive Tape

Molecule Gradient Double coated tape

200A 300A series

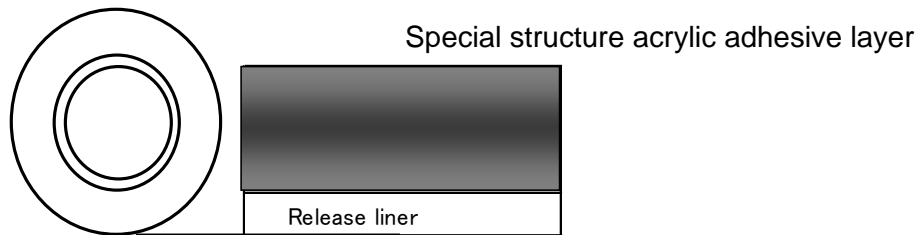
Features

- ① 200A series have very thin thickness and strong high-adhesive performance
- ② For every material these tape have adhesive performance.
- ③ Very ease handling and press process
- ④ By high heat-resistance these tape have high-bond adhesive performance

Application

- Fixation for modules such as mobile phone.
 - For fixing LCD-modules
 - For fixing key-sheets
 - For fixing name-plate
 - For fixing parts of DSC
 - For fixing sunshine shade-parts in DSC (B series)

Structure



Properties

- 1. General properties
 - 1-1) Thickness and peel strength

Product name	Thickness (mm)	Peeling strength (N/25mm)
200A30	0.03	10
200A50	0.05	18
300A80	0.08	20
300A100	0.10	22
200A30B	0.03	9
200A50B	0.05	15

※Measurement conditions: PET#25 backing, peeling speed 300mm/min, 180° angle.
 The above values are sample observed values, not the guaranteed performance.

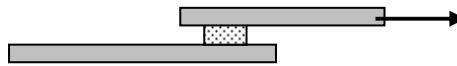
1-2) Shear strength

1-2-1) TEST SPECIMENS

The sample shall be placed so that the conditioning atmosphere shall have free access to all normally exposed surfaces of the sample roll. The specimen shall be cut to 10mm width and 10mm length with a sharp razor blade. A 2,040 g \pm 45 g rubber-covered steel roller shall then be passed over the joint once in each direction at the rate of 10 \pm 0.5 mm/s.

1-2-2) TEST METHOD

Clamp specimen tightly in jaws of tensile tester. Make certain that edges of the sample are parallel with the jaws of the tensile tester. Pull apart at a speed of 300 mm until the bond separates.

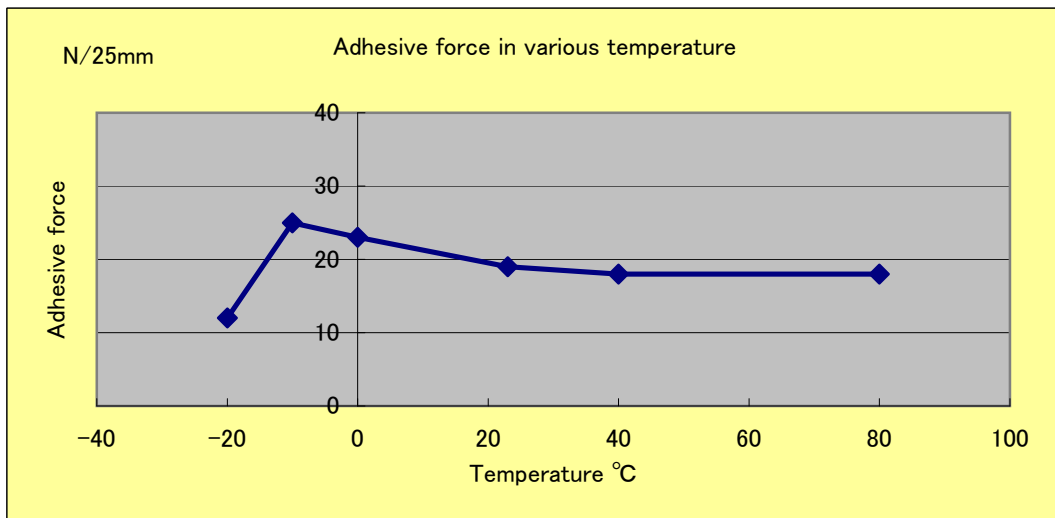


Adhesion A	Adhesion B	200A30	200A50
SUS	SUS	45	55
SUS	PET	65	75

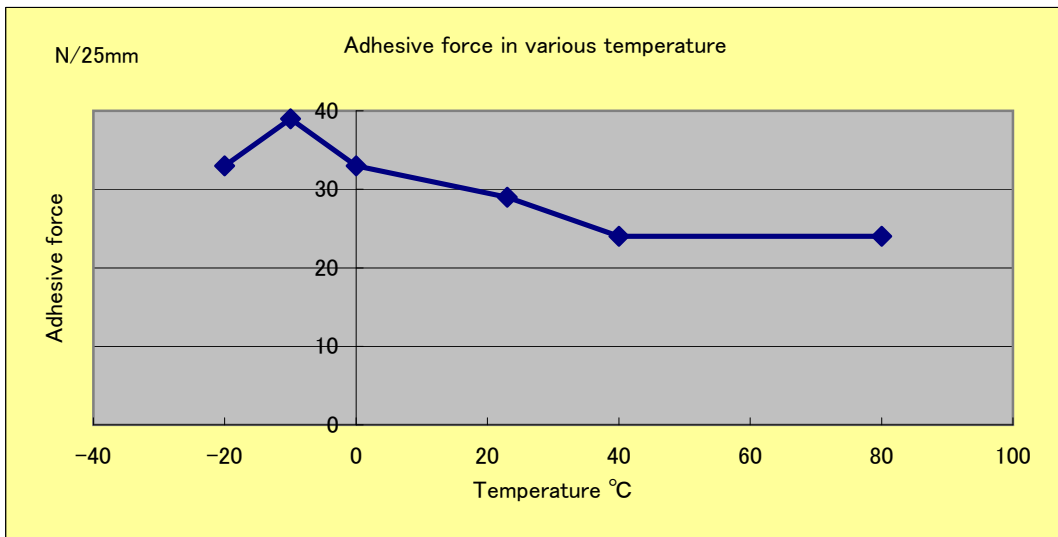
unit N/10mmX10mm

2. Adhesive force in different temperature

200A50

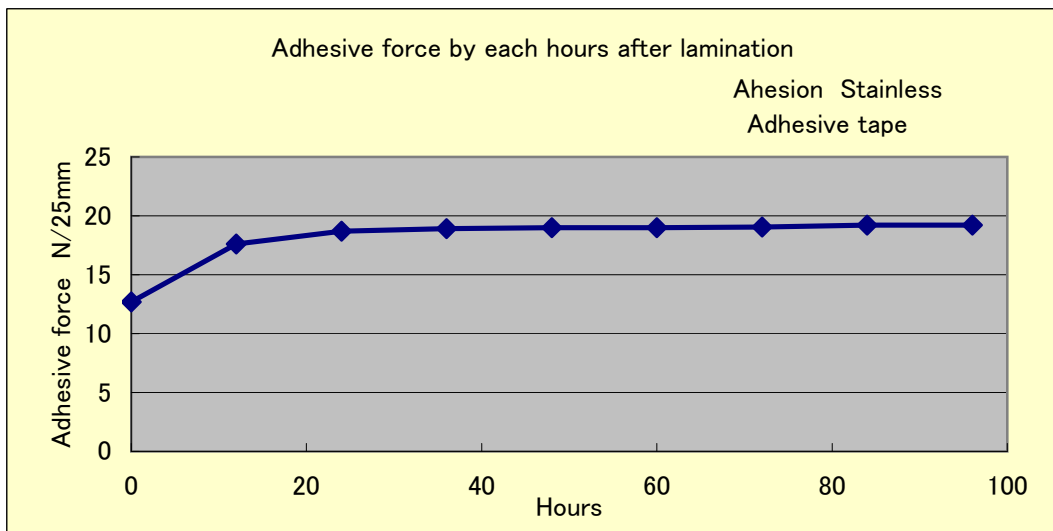


300A100



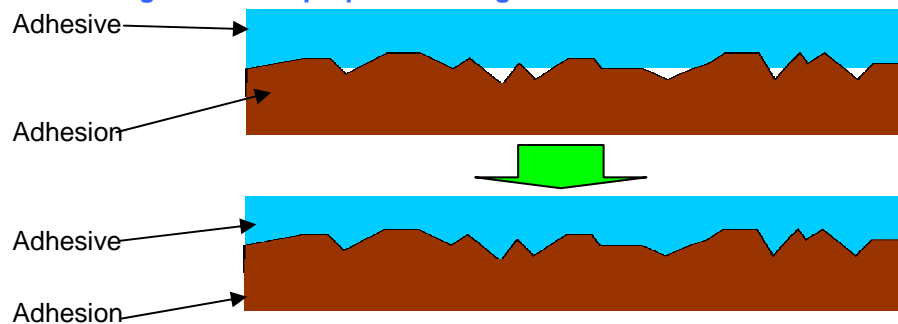
3. Adhesive force by each hours after lamination

Now the adhesive tape laminate to stainless steel.
We notice that the adhesive force provide increase strong.
The data is that the adhesive force is becoming for every time.

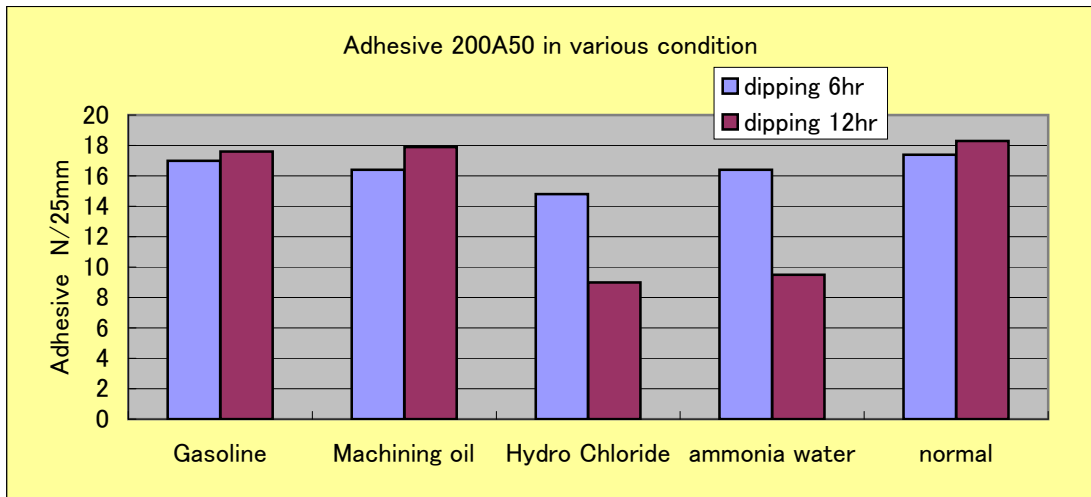
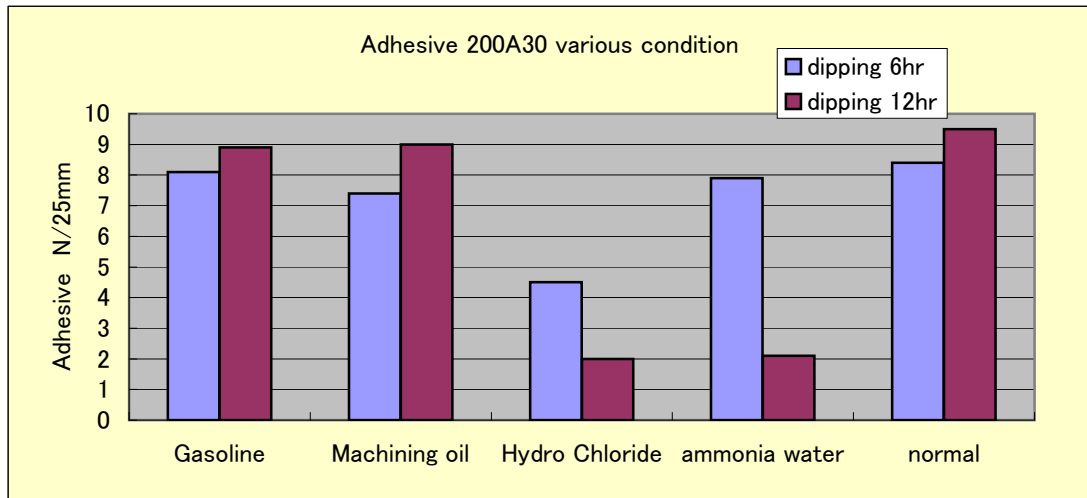


Reason

The Adhesive agent has the properties being crowd to adhesion.

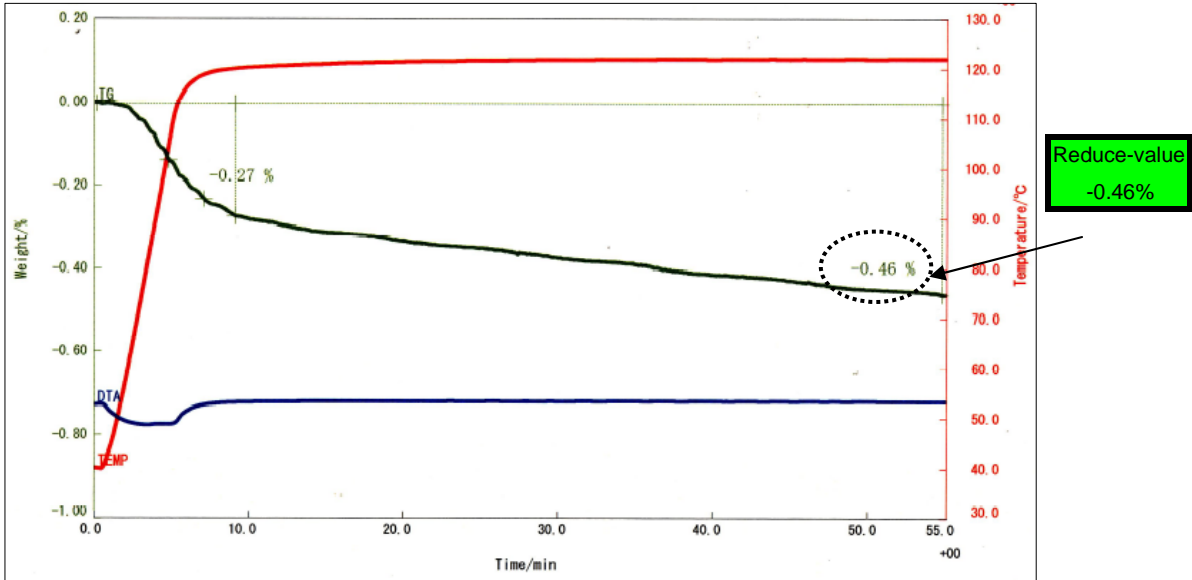


4. Stability of adhesive force for chemicals



5. Properties about outgas form tapes

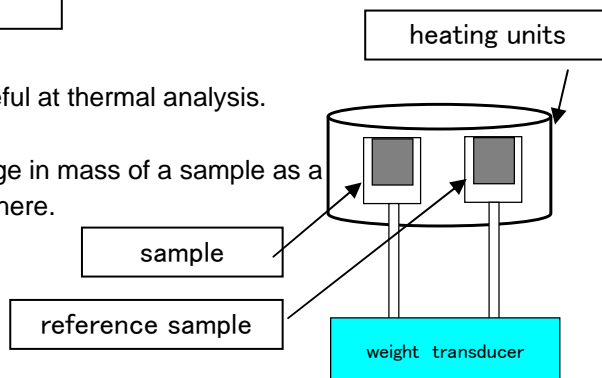
Method Measure by thermal analysis equipment
 Condition Temperature 150°C 302 °F
 Amount of outgas mean value of weight-reduce from room temperature to 150°C.



thermogravimetry

Thermo gravimetric analysis is very useful at thermal analysis.

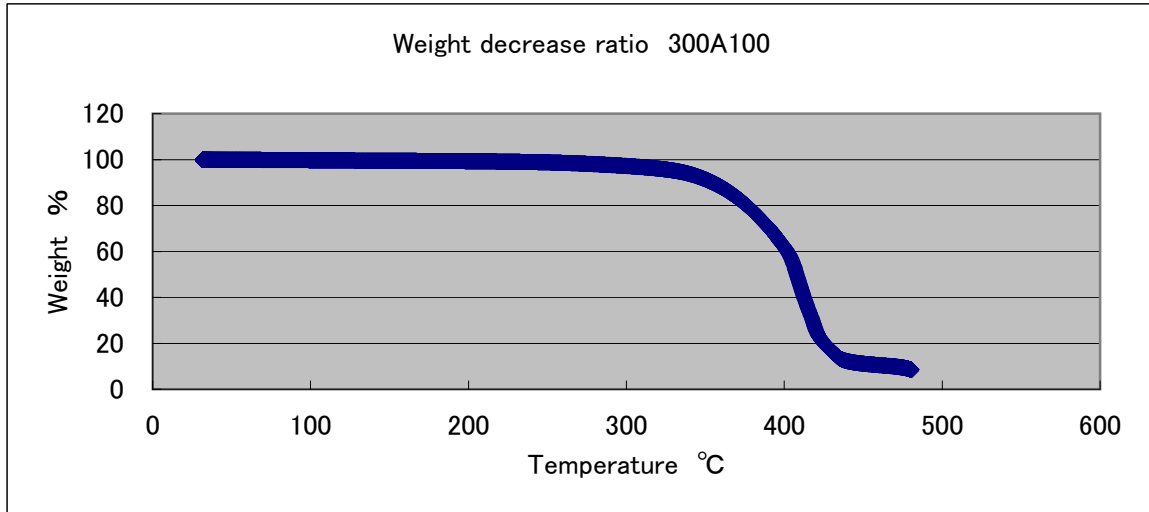
Measures the amount and rate of change in mass of a sample as a function of T or t in a controlled atmosphere.



Thermo gravimetric analysis (TGA) is a thermal analysis technique which measures the amount and rate of change in the weight of a material as a function of temperature or time in a controlled atmosphere.

6. Properties about heat stability

Data of thermo gravimetric analysis about 300A100 is as follow.



"200A300A" series material has heat-resistant properties.

The five percent decrease temperature is about 320 degree Celsius.

Data was carried out using SEIKO TG/DTA6300.

The temperature range is 40 - 500 °C.

Important Notice for use

User is responsible for determining whether the KGK product is fit for a particular purpose and suitable for user's method of application. Please remember that many factors can affect the use and performance of a KGK product in a particular application. The materials to be bonded with the product, the surface preparation of those materials, the product selected for use, the conditions in which the product is used, and the time and environmental conditions in which the product is expected to perform are among the many factors that can affect the use and performance of a KGK product. Given the variety of factors that can affect the use and performance of a KGK product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the KGK product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

KGK make no warranties on above data.

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