

Molecule Gradient Double Sided Adhesive Tape
with strong adhesive force

200Y series

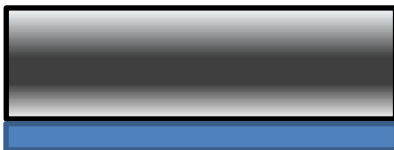
Feature

- Thin and strong adhesive force
- Stable adhesion even at high temperature (Very strong adhesive force in above 150°C)
- In room temperature its initial adhesiveness is same as normal adhesive tape.
- Excellent performance to not only with metals but also various resins
- High adhesion ability also on difficult-to-adhere-surfaces such as high molecular weight polyethylene
- Excellent followability / repulsion resistance
- Excellent punching processability with a hard polymeric adhesive layer in the middle
- 13 VOCs (volatile organic compounds) specified by Ministry of Health, Labor and Welfare of Japan for control of indoor air pollution are not used; such as formaldehyde, acetaldehyde, toluene, etc.

Applications

- Fixing FPC stiffener
- Fixing of IC card parts
- Fixing of sheet type heater unit
- Fixing of heat radiation materials

Structure



Special structure acrylic adhesive layer

Release liner

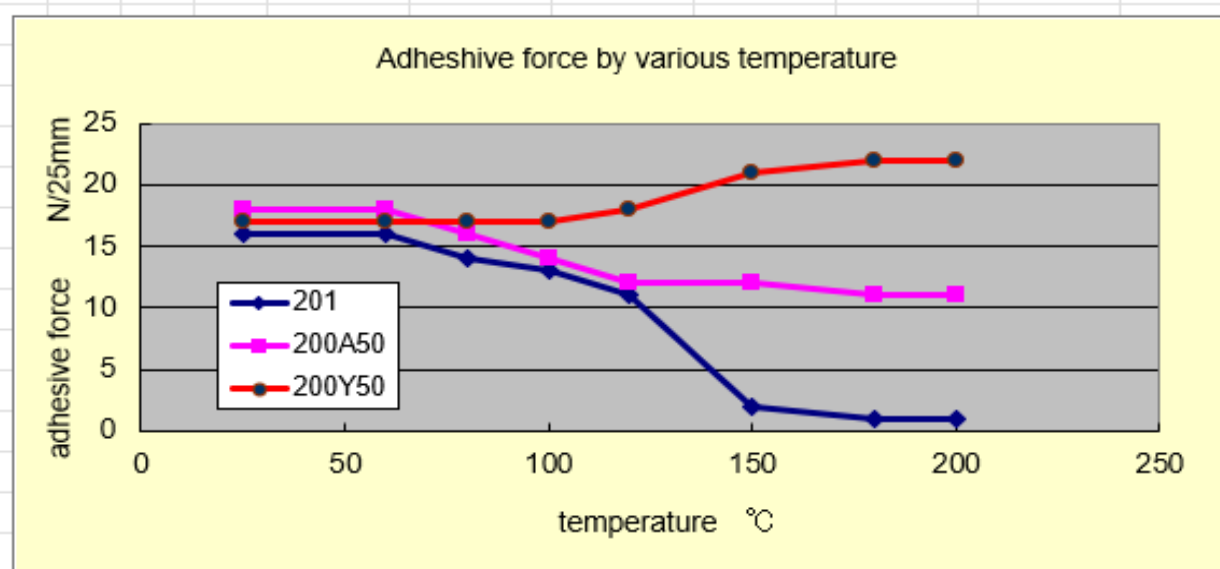
Properties

1) General properties

Grade	Thickness (mm)	Adhesive force (N/25mm)	Adhesive force after heat-press (N/25mm)
200Y12.5	0.0125	5	12
200Y30	0.03	7	15
200Y50	0.05	10	22

Test method 180 degree peel JIS Z0237
 PET#25 backing, Tensile speed: 300mm/min

2) Adhesive force by various temperature



200Y has property that its adhesive force increases above 150°C.

3) Dielectric strength test

Conditions for breaking current 0.5mA, n=3

Voltage	200Y30	200Y50
AC200V	10 sec OK	10 sec OK
AC400V	10 sec OK	10 sec OK
AC600V	10 sec OK	10 sec OK
AC800V	10 sec OK	10 sec OK
AC1000V	10 sec OK	10 sec OK
AC1500V	10 sec OK	10 sec OK
AC2000V	10 sec OK	10 sec OK
AC2500V	NG	10 sec OK
AC3000V	NG	NG

200Y30
2KV/0.03mm
=66KV/mm

200Y50
2.5KV/0.05mm
=50KV/mm

Precautions on use

All technical data are prepared based on the tests and measured values carried out in the laboratory of KGK Chemical Corp. as the standard.

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However, product characteristics may vary greatly depending on environment and adherend.

Therefore, regarding these characteristic data, it is a reference value, not a guaranteed value.

Before using it please make sure that this product is suitable for the intended use and environment.

Caution on storage

Please be sure to put it in a box and keep it.

Please choose a cold and dark place not to be exposed to direct sunlight for the storage location.

In particular, please do not expose to high temperature and high humidity

(temperature 30 °C or more and humidity 50% or more forbidden).

The warranty period of the tape is unopened and it is six months after shipment.

KGK Chemical Corporation
940 Minaminagai, Tokorozawa
Saitama 359-0011 Japan
Tel : +81 4 2944 5151
Mail : postbox@kgk-tape.co.jp