

YL-NF200A

Heat-resistance Non Woven Double Sided Tape



Composition:



Applications:

- Bonding of metals plates, plastic plates and foams.
- Fixing automobile interior parts.
- Fixing electrical equipment material of office automation and consumer electronics.

Features:

- Excellent in fixing elements with strong adhesion.
- Excellent performance under a wide range of temperature condition.
- Remarkable adhesion to metals, glasses, plastics, etc.
- Passed RoHS, CA65, SVHC , REACH Test Reports.

Standard Size

- | | |
|---|-------------|
| ▪ Total Thickness
(without release paper) | 0.2mm |
| ▪ Liner thickness | 0.14mm |
| ▪ Width | 10mm-1240mm |
| ▪ Length | 50m |

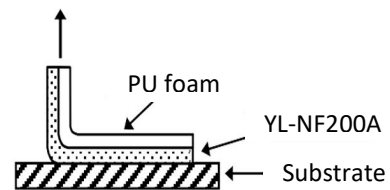
Technical Data (average values)

• Backing material	Non Woven Fabric
• Color	White
• Type of adhesive	Acrylic Pressure Sensitive Adhesive
• Temperature resistance range	-20°C-120°C
• Temperature resistance short term	120°C
• Temperature resistance long term	100°C
• Loop tack	≥23#
• Holding power	Up to 120°C for 120 min.

Substrate	Adhesive Residue	Peeling Properties
Stainless Steel	No	No Tear
PP	No	No Tear
Aluminum plate	No	No Tear
PE	No	No Tear

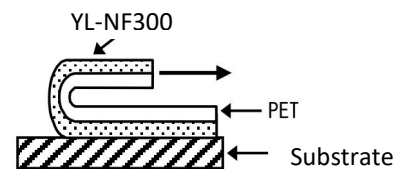
[Peeling properties test method]

Lining material: 5-mm thick urethane foam
 Tape width: 3 mm
 Curing condition: 60°C/90%RH * 15 days
 Peeling speed: 300 mm/min
 Peeling angle: 90°



[Peeling properties test method]

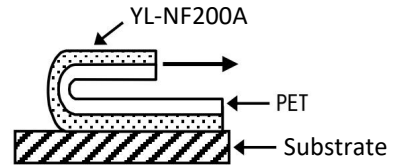
Lining material: PET#25
 Tape width: 20 mm
 Curing condition: 60°C/90%RH * 15 days
 Peeling speed: 300 mm/min
 Peeling angle: 180°



180 Degrees of Peeling Adhesion

Substrate	Avg. Test Values
Stainless Steel	26N/25mm
ABS	31N/25mm
PC	22.5N/25mm
PE	8N/25mm
PVC	24N/25mm
PP	15N/25mm

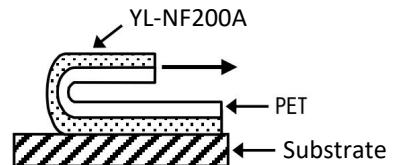
Unit:N/25mm
 Sample Width:25mm
 Backing Material: PET#25
 Application Condition:
 3 pass back and forth with a
 2.5kg roller
 Peeling Speed: 300mm/min
 Peeling Angle: 180°
 Measurement Condition:
 23°C/50%RH



Peeling Adhesive Strength for each temperature

Substrate	Temperature	Avg. Test Values
Stainless Steel	0°C	27N/25mm
	23°C	24N/25mm
	40°C	26.5N/25mm
	60°C	26N/25mm
	80°C	15N/25mm
	120°C	10.5N/25mm

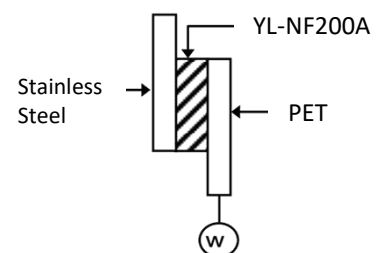
Unit:N/25mm
 Sample Width:25mm
 Backing Material: PET#25
 Application Condition:
 3 pass back and forth with a 2kg
 roller
 Peeling Speed: 300mm/min
 Peeling Angle: 180°
 Measurement Condition:
 23°C/50%RH



Holding Power for Each Temperature

Substrate	Temperature	Avg. Test Values
Stainless Steel	23°C	0.7mm
	80°C	1.27mm
	100°C	dropping after 90 min
	120°C	dropping after 41 min

Unit:N/25mm
 Sample Width:25mm
 Backing Material: PET#25
 Application Condition:
 3 pass back and forth with a 2kg
 roller
 Load: 4.9N(500g)
 Loading time: 1 hr



Storage:

- Please be sure to keep the tape in its box when not using.
- The ideal application temperature range is 20°C to 40°C.
- Keep in a cool and dark place away from direct sunlight.

Test Method:

In accordance with GB/T 4851-1998 method.

Shelf Life:

12 months when stored in original carton at 23°C and 65% relative humidity

Note:

- Remove all oil, moisture and dirt from the surface of the substrate before applying.
- Make sure the product is suitable for the application (objective and conditions) before attempting to use.

DISCLAIMER

- The above information is believed to be reliable and accurate but is presented without a guarantee on our part.
- F6 Adhesive Tape gives no warranty as to the fitness of the above product for any particular purpose and any implied warranty or condition statutory or otherwise.
- It is recommended to make a trial before any bulk usage.
- Use in combination with another method of joining if there is possibility of an accident.

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Not formally verified.
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