

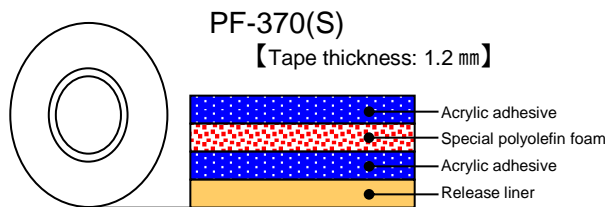
Double-coated adhesive tape

PF-370(S)

Outline

Nitto Denko PF-370(S) is a double-coated adhesive tape for temporary fixing of construction materials. It consists of extremely flexible special polyolefin foam as a base material coated on both sides with durable acrylic adhesive.

Structure



Features

- High levels of flexibility, and excellent adherence to rough surfaces.
- Excellent initial adhesion.
- Excellent adhesion, for more than sufficient holding or fixing while glue is hardening.
- Excellent low temperature adhesion.
- The ten hazardous materials restricted by the RoHS directive are not compounded.

Applications

- Temporary fixing of residential interior finishing materials

Sizes

Tape thickness (mm)	Width (mm)	Length (M)
1.2	7 - 960	10

For details contact the department in charge of the product in question.

PF-370(S) 10-P-0440_E (1/5)

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Properties

- 180 degree peeling adhesion for each substrate

Substrate	PF-370(S)
Stainless steel plate	17.0
Aluminum plate	15.0
ABS plate	12.7
Acrylic plate	12.5
Polystyrene plate	17.1
Polycarbonate plate	13.6
PVC plate	14.1
Polyester film	14.4
Glass plate	13.5
PP plate	17.0
Veneer	16.5
Gypsum board	14.0
Calcium silicate plate (underground)	8.4

(Unit: N/20 mm)

Tape area: 20mm width

Lining material: PET#25

Pressing condition: 1 pass back and forth with 2-kg roller at 23 degree C, 50%RH

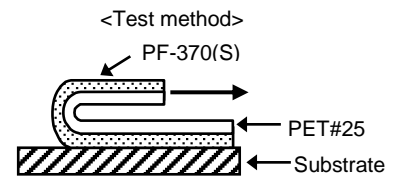
Applying condition: 23 degree C, 50%RH x 30min

Peeling speed: 300 mm/min

Peeling angle: 180 degree

Measurement temperature:

23 degree C, 50%RH



- 180° peeling strength by temperature (Pressing condition: 23 degree C)

Temperature	PF-370(S)
-20°C	17.3
0°C	17.4
10°C	17.5
23°C	17.0
40°C	16.1
60°C	12.7
80°C	7.8

(Unit: N/20mm)

Lining material: PET#25

Peeling speed: 300mm/min

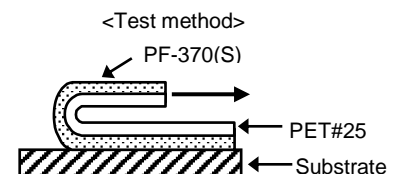
Peeling angle: 180°

Pressing condition: 1 pass back and forth with 2-kg roller at 23 degree C, 50%RH

Application under various temperatures

→Measurement under various temperatures

Substrate: Stainless steel plate



PF-370(S) 10-P-0440_E (2/5)

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● 180° peeling strength by temperature (Pressing condition: Measurement temperatures)

Temperature	PF-370(S)
-20°C	17.0
0°C	17.1
23°C	17.3
40°C	16.0
80°C	8.5

(Unit: N/20mm)

Lining material: PET#25

Peeling speed: 300mm/min

Peeling angle: 180°

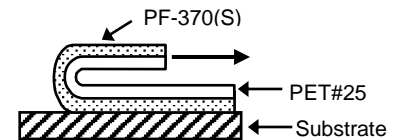
Pressing condition: 1 pass back and forth with 2-kg roller at measurement temperatures

Application under various temperatures

→ Measurement under various temperatures

Substrate: Stainless steel plate

<Test method>



● 180 degree peeling adhesion for each aging condition.

Applying period	PF-370(S)
Immediately (1 min later)	10.7
30 minutes later	17.0
24 hour later	17.3
48 hours later	17.4
72 hours later	17.4
168 hours later	17.5

[unit: N/20mm]

Sample width: 20mm

Backing material: PET#25

Substrate: Stainless plate

Application condition:

1 pass back and forth with a 2 kg roller at 23 degree C/50%RH

Aging condition:

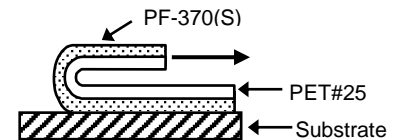
23 degree C/50%RHx1min, 30min, 24hrs, 48hrs, 72hrs, 168hrs

Peeling speed: 300mm/min

Peeling angle: 180 degree

Measurement condition: 23 degree C/50%RH

<Test method>



● 180 degrees peeling adhesion for each application pressure.

Roller weight	PF-370(S)
0.1kg	17.2
0.5kg	17.4
2kg	17.4
5kg	17.4

[Unit: N/20mm]

Sample width: 20mm

Backing material: PET#25

Substrate: stainless plate

Application condition:

1 pass back and forth with a

0.1kg, 0.5kg, 2kg, and 5kg at 23 degree C/50%RH

Applying temperature: 23 degree C/50%RH

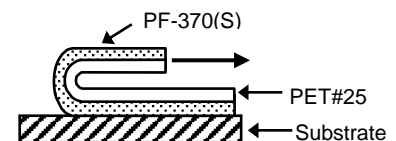
Aging condition: 23 degree C/50%RH x 30min

Peeling speed: 300mm/min

Peeling angle: 180 degree

Measurement condition: 23 degree C/50%RH

<Test method>

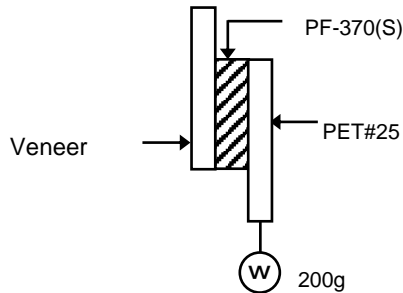


PF-370(S) 10-P-0440_E (3/5)

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● Holding strength

Sample	40 degree C	80 degree C
PF-370(S)	1.0	1.2

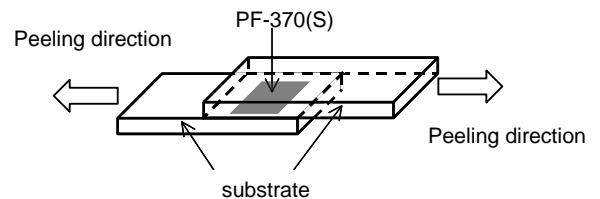


(Unit: mm/hr)
 Lining material: PET #25
 Aging condition:
 Measurement temperature x 30min
 Measurement temperature: 40 °C, 80 °C
 Application area: 20 mm x 10 mm
 Load: 200 g
 Loading time: 1 hour

● Shear strength for each substrate

Substrate	No.57140B
Stainless steel	140
ABS plate	133
Acrylic plate	140
Glass plate	135
Veneer	150

(Unit: N/20mmx20mm)
 Tape area: 20mm x 20mm
 Application condition: Load: 49N x 10 sec.
 at 23 degree C/50%RH
 Applying condition: 23 degree C/50%RH x 30min
 Measurement temperature: 23 degree C/50%RH
 Peeling speed: 50mm/min

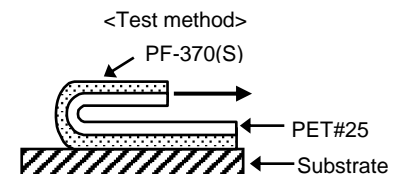


● 180 degree peeling adhesion for each substrate

-Curing under each environment after application (Durability)

Substrate	Initial (23degreeC/50%RH x 30min)	80 degree C x 30 days
Stainless steel	17.0	18.7
Gypsum board	14.0	15.2
Veneer	16.5	16.2

(Unit: N/20mm)
 Sample width: 20mm
 Backing material: PET#25
 Application condition: 1 pass back and forth with a 2 kg roller at 23degreeC/50%RH
 Curing condition: See the above table
 Peeling speed: 300 mm/min
 Peeling angle: 180 degree
 Measurement temperature: 23degreeC/50%RH



PF-370(S) 10-P-0440_E (4/5)

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Precautions when using

- Remove all oil, moisture and dirt from the surface of the substrate before applying.
- Since the tape is pressure-sensitive adhesive, be sure to apply enough pressure with a roller or press when applying. Otherwise it might be affected to its properties and appearance.
- The tape may not adhere well to extremely uneven or distorted surfaces. Enough Leveling off the surface should be required before applying.
- It takes certain time to get full adhesive strength after applying, keep away the tape from any stress for a several hours after applying.

Precautions when storing

- Please be sure to keep the tape in its box when not using.
- Please keep in a cool and dark place away from direct sunlight.

Safety precautions

 WARNING
<ul style="list-style-type: none">● Make sure the product is suitable for the application (objective and conditions) before attempting to use. The tape may come off depending on the substrate to which it is applied or conditions under which it is applied.● Use in combination with another method of joining if there is possibility of an accident.

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PF-370(S) 10-P-0440_E (5/5)

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