

TECHNICAL DATA SHEET

Transparent TAPE

HN-1080TP

Transparent Tape



Hannam Hi-tech Co. Ltd.

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Certified by



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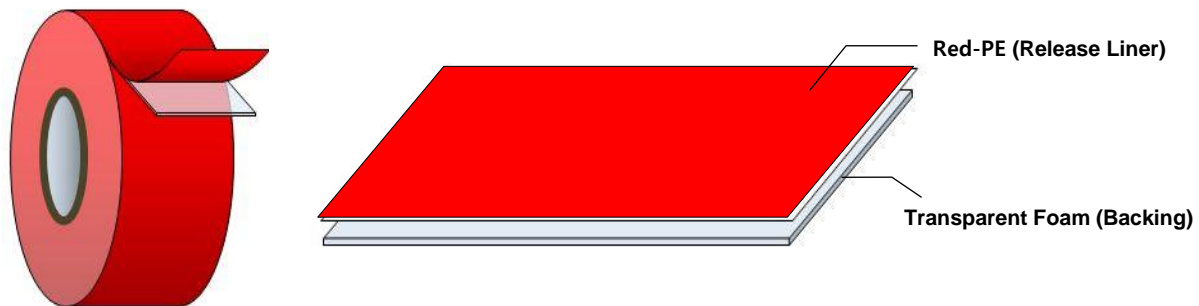
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I . About HN-1080TP

HN-1080TP is nice especially for **Construction and Interior decoration** industry and by UV curing system.

This tape is widely used to fix building construction parts for its excellent adhesion, heat resistance, heat impact, especially in the anti-corrosion resistance.

II. HN-1080TP Structure



III. Characteristics of HN-1080TP

- For building construction.
- Excellent in heat resistance and Good weatherability, because base foam is manufactured by UV curing system.
- Bonding ornament for house interior
- Bonding electronic components for electronic goods.

IV. Precaution for Handling

- Ideal working temperature is 20~27 deg °C for attaching or processing tape
- Cleanness of the tape surface can affect the adhesion. Clean the surface with isopropyl alcohol or petroleum ether, after drying completely and then attach
- Store tape under 15~27 deg °C cool and dark place
- Period of storage validity (Upon company's specification)



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Description	Unit	HN-1080TP	Test Method
Thickness	mm	0.80	ASTM D3652
Adhesive	-	Acrylic	-
Carrier	-	Transparent Foam	-
Color	-	Clear	-
180°Peel Adhesion: To Stainless Steel Room Temperature 30min (kg/10 mm) Jaw Speed 300mm/min.	kg/10mm	≥1.0	ASTM D3330
Dynamic Shear: To Stainless Steel 1 sq. in. (6.45 cm ²) overlap. Room Temperature Dwell for 30min	kg/cm ²	≥6.0	ASTM D1002
H. C. R (Heat Creep Resistance) 40°C to 120°C /20min(10°C) (25mm x 25mm) -500g	°C	120	ASTM D3654

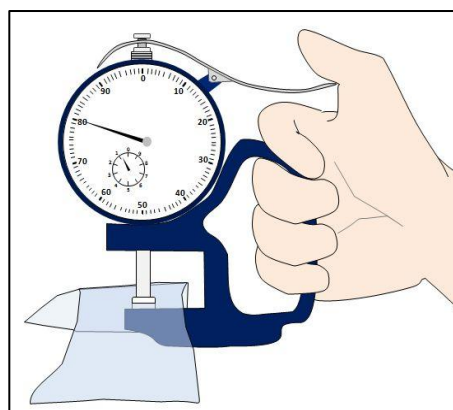
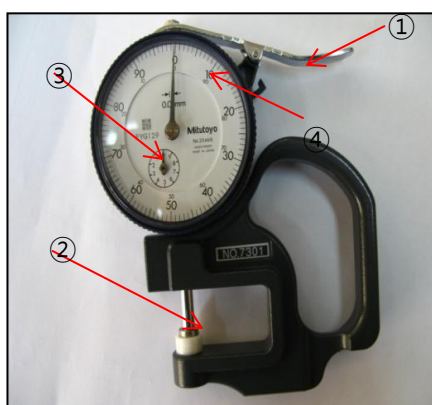
1. Thickness

1-1 Tool : Dial thickness gauge

1-2 Standard Reference : ASTM D 3652

1-3 Contents

- 1) Prepare substrate (acrylic foam)
- 2) Press lever(①) There is space at between tip ②
- 3) Release lever and read thickness



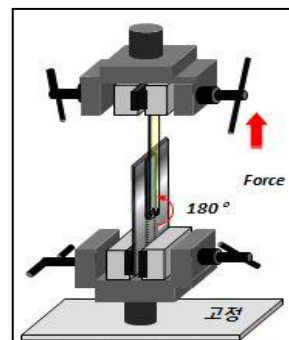
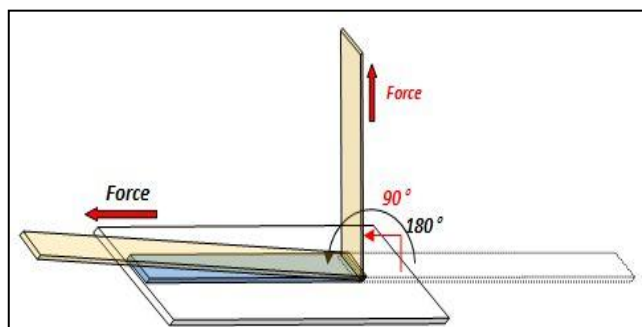
2. 180°Peel Adhesion strength

2-1 Tool : U.T.M (Universal Test Machine)

2-2 Standard Reference : ASTM D 3330

2-3 Contents

- 1) Prepare the tape, width 10mm X length 240mm, and apply on substrate.
- 2) Press tape one time with 2kg Roller and 300mm/min speed
- 3) After 30min from Press tape, and measure adhesive strength with 300mm/min speed



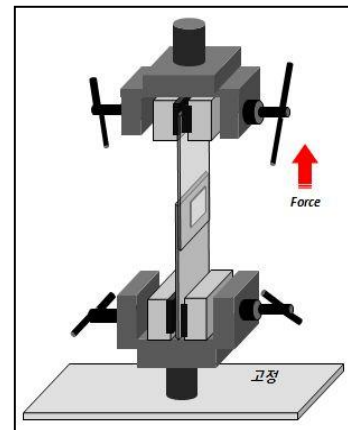
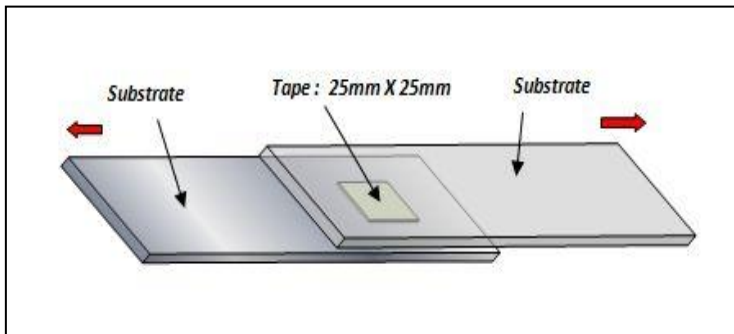
3. Shear adhesion

3-1 Tool : U.T.M (Universal Test Machine)

3-2 Standard Reference : ASTM D 1002

3-3 Contents

- 1) Prepare sample as 25mmX25mm
- 2) Apply tape on both substrates (SUS-SUS)
- 3) Press one minute with 5kg weight
- 4) Measure shear adhesion strength with 300mm/min speed



4. HCR TEST

4-1 Tool : Dry Oven

4-2 Standard Reference : ASTM D 3654

4-3 Contents

- 1) Press tape two time with 2kg Roller and 300mm/min speed Keep 30min in room temperature.
- 2) Measure temperature and creep distance with 500g weight and increasing temperature as increasing 10°C per 20min

