

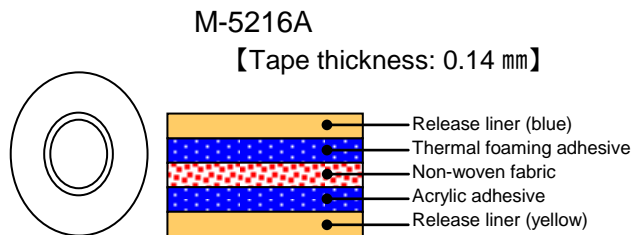
Double-coated adhesive tape

M-5216A

Outline

The Nitto M-5216A is a double-coated adhesive tapes that consist of acrylic adhesive on one side and a heat-activated (thermal foaming) adhesive on the other side. Applying heat and pressure for a short period of time realizes high adhesive strength and a black matted finish produced by foaming.

Structure



* "Non-woven fabric" is classified under a law called Customs Act of Fixed Rate Chapter 48 "Paper and paperboard; articles of paper pulp, of paper or of paperboard".

Features

- Thermal foaming realizes high adhesive strength for uneven, porous and distorted surfaces.
- Offers superior durability.
- 6 restricted substances by RoHS are not contained

Applications

- Applications requiring matted appearance
- Bonding of punched panels for television speakers

Sizes

| Product No. | Tape thickness (mm) | Width (mm) | Length (m) |
|-------------|---------------------|------------|------------|
| M-5216A | 0.14 | 50-960 | 50 |

For details, please contact us.

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Properties

● 180° peeling strength (thermal foaming adhesive side)

| Substrate | M-5216A |
|----------------|---------|
| Aluminum plate | 19.3 |
| PS plate | 15.0 |

(Unit: N/20mm)

Tape thickness : 20 mm

Substrate : Stainless steel plate, Aluminum plate, PS plate

Peeling speed : 300 mm/min

Application conditions:

One pass (back and forth) with 2-kg roller.

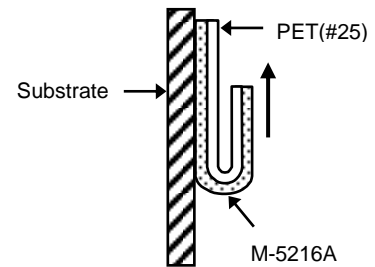
(Pressure-sensitive adhesive side)

15sec, 196Kpa, 90°C (thermal foaming adhesive side)

Measurement is taken 30 minutes after rolling.

● 180° peeling strength (pressure-sensitive adhesive side)

| Substrate | M-5216A |
|-----------------------|---------|
| Stainless steel plate | 16.0 |



● Holding power (pressure-sensitive adhesive side)

| Substrate | M-5216A |
|--------------------|---------|
| Phenol resin plate | 0.5 |

(Unit: N/20mm)

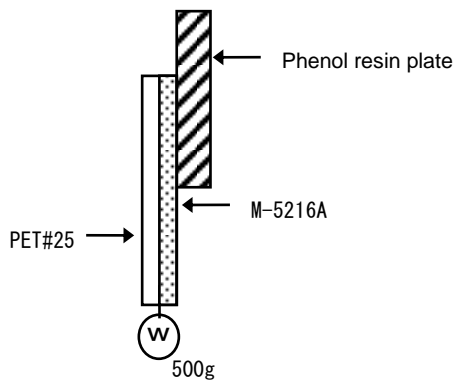
Tape area : 10 x 20 mm

Substrate : Phenol resin plate

Load : 4.90 N

Measurement condition:

After one pass (back and forth) with 2-kg roller, load is applied in 40°C atmosphere. Load is removed one hour later. Deviation after the load is applied is then measured.



● Repelling resistance (visual)

| | M-5216A |
|--------------|-------------|
| 5 mm x 10 mm | No floating |

Tape width : 5 mm

Substrate : PS cabinet

PSt speaker net

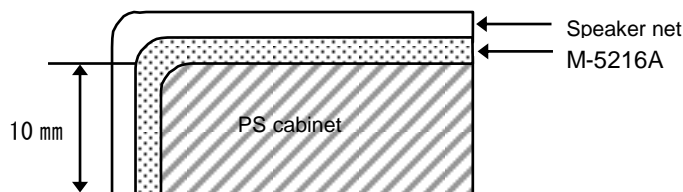
Application condition:

Pressure applied by hand Measurement

environment: After 24 hours x 23°C, allowed

to set for 96 hours x 70°C.

Edge bending length : 10 mm



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Precautions when using

- Remove all oil, moisture and dirt from the surface of the substrate before applying.
- Pressure sensitive adhesive is used on one side. Apply sufficient pressure with a roller or press.
The other side uses heat-activated adhesive. Apply using the proper temperature and pressure.
Failure to apply sufficient pressure may affect properties or appearance.
- It takes some time before the tape exhibits its full adhesive strength. Allow the tape to set for several hours before placing in a position or using in a manner that places stress on the tape.

Precautions when storing

- Be sure to keep the tape in its box when not using.
- Keep in a cool dark place not exposed to 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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