

Product Description



Release · Transfer film

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PANA-PEEL Non silicone type / low silicone type

Release · Transfer film

NP · TP · SG · SM

NP

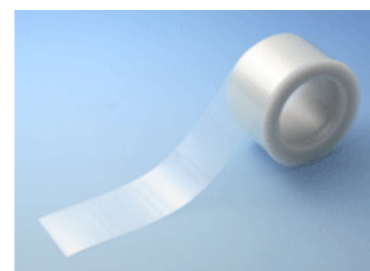
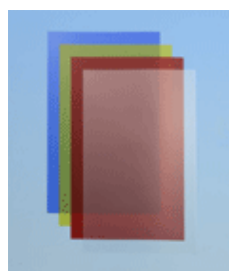
PANA-PEEL NP series is a release polyester film coated to silicone release treatment.

Features

1. It enables stable release properties.
2. We can chose from various thickness of base film.

Main applications

1. For a backing sheet for punching pressure sensitive adhesive sheet
2. For a protective film of adhesive exposed parts of punching processing products
3. For a release film of adhesive film



Characteristic

Application Type	Type	Peeling force[N/25mm] *1	Residual adhesion rate [%] *2
General purpose type	NP-75-SA	0.028	87
	NP-75-A	0.031	93
	NP-75-B	0.050	93
	NP-75-C	0.126	91
Atmospheric exposure control type	NP-75-Z-01	0.027	97

*1 **Release strength measurement method:** Standard tape-31B manufactured by Nitto Denko corporation.

Measurement condition: Peeling speed 300mm/min, Peeling angle 180°

*2 **Method of measuring residual adhesion**

1. After Adhering the unused standard tape to the olefin film and refernce sample and then both samples will be heated in the same way as the peel force measurement.
2. After peeling off from both the olefin and the reference sample, then adhered to the polyester film.
3. After leaving these samples at room temperature for 30 minutes, measurement was carried out and the residual adhesion rate was calculated by the following formula.

$$\text{residual adhesion rate} = \frac{\text{Peeling force between standard tape attached to reference sample and polyester film}}{\text{Peel force between unused standard tape and polyester film}} \times 100$$

※The indicated values are measurement values, not guaranteed values.

TP · SG · SM

Pana Peel TD and SG series are films which are coated with release treatment on polyester film. It is compatible with various separability and wettability properties and is excellent in smoothness, so it can be used as a casting mount sheet for acrylic resin or silicone elastomer sheet.

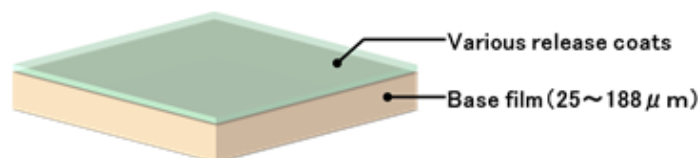
- Features

1. It is excellent in heat resistance and solvent resistance and shows stable peeling transferability.
2. It has various range of different peeling properties from light separation to heavy peeling.

- Main applications

1. For various resin film forming · transferring mount sheet.
2. For various ink transfer backing sheet.
3. For a backing sheet for punching process.
4. It is suitable for backing sheets of silicone elastomer sheets used for heat radiation sheets.

- Composition



- Characteristic

Type	Release properties	Coating layer type	Features	Release strength(N/25mm) *		Contact angle (deg)	Surface wettability (μN/cm)
				RT×24 h	130°C×1h		
TP-01	Moderate	alkyd	Less migration	2.2	7.0	94	<300
TP-03	Light	alkyd	High heat resistance. High residual adhesion rate	0.3	3.2	108	<300
SG-1	Heavy	melamine	Stable properties for ink and resin, less migration	9.0	15.3	75	370
SG-2	Heavy	melamine	Improved releasing property for silicone elastomers	4.0	8.8	105	320
SM-1	Heavy	melamine	Matte shape formed type	8.0	12.5	83	400

* **Release strength measurement method:** Standard tape-31B manufactured by Nitto Denko corporation.

Measurement condition: Peeling speed 300mm/min, Peeling angle 180°

※The indicated values are measurement values, not guaranteed values.