



台灣谷登企業有限公司

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可公佈

NITTO

PRODUCT INFORMATION

NITTOFLON [®] Pressure-Sensitive Adhesive Tape No.903

1. General

Nothing can stick to the surface of NITTOFLON. When it is used as tape, however, adhesive type is preferable for workability.

No.903 is coated on its one face with a heat –resistant silicone adhesive.

Like other pressure-sensitive adhesive tapes, it can be used for laminating, winding, bundling, and sealing purposes as well as electric insulation purpose. Actually, it is widely used such as for bundling in the atmosphere where resistance to heat and corrosion is required, for releasing purpose requiring non-adhesive property, for hopper chutes requiring low coefficient of friction, and other various fields making use of NITTOFLON's excellent properties.

2. Properties

NITTOFLON pressure-sensitive adhesive tapes have the characteristics of NITTO

Skived Tape No.900 and (1) bondability, (2) heat resistance, and (3) non-adhesive properties.

Table1

Properties	Valuas		Test Method
Thickness (mm)	0.08	0.13	ASTM D 1000
Tensile strength (kg/19mm width)	4.1	7.	
Elongation (%)	287	352	
Breakdown voltage (kv) Ave.	9.8	13.5	
	Min.	9.3	
Peel strength (kg/19mm width)	450	567	
Unwinding force (kg/19mm width)	380	503	

Flame resistance	Below 30 (pass)	UL-510
Heat resistance (°C)	180	Internally

Values listed above are typical and should not be used for any specific application purposes.

3. Uses

- *Class H electrical insulation
- *Linings for hopper
- *Conveyers for bread and confectionery
- *Separator for heat-sealing
- *Anti-adhesion means against paste and adhesive materials
- *Mold releasing purposes

4. Chemical Resistance

Test method: ASTM D 1000

Substrate: Stainless steel EUS 304 finished with abrasive-coated paper #280

Bonding : With 2 kg rubber roller, once in each direction

Evaluation: Change in appearance after immersion in each chemical listed below

Table 2

Chemicals	Conditions	Results
20% H ₂ SO ₄	80°C × 24hrs.	N
Conc. H ₂ SO ₄	20°C × 6days	P
Conc. HCl	20°C × 27days	N
Conc. HCl	80°C × 14hrs.	N
Conc. HNO ₃	20°C × 25days	N
Glacial acetic acid	15°C × 24hrs.	PP
20% NaOM	80°C × 24hrs.	P
20% NaOH	20°C × 17days	N
Ammonia water	20°C × 25days	N
Toluol	80°C × 14hrs.	P
Ethyl alcohol	20°C × 15days	S
Acetone	20°C × 15days	N
Xylenol	20°C × 7days	N
Transformer oil	80°C × 24hrs.	N
Machine oil	20°C × 15days	N

Criteria: N= no change, S=slightly peeled only at end,

PP=partially peeled P=peeled out

5. Standard Sizes

Thickness (mm)	Width(mm)	Length(m)
0.08, 0.13, 0.18	Any width MIX540mm	10

For other sizes please contact us.