

NITOFLON Adhesive Tape

No.923S

Outline

NITOFLON No. 923S is a tape using an orange-colored specially oriented polytetrafluoroethylene (PTFE) film as base material. Single surface treated and coated with a silicone adhesive which has a high heat resistance. The tape offers excellent features such as electrical properties, heat resistance, chemical resistance and non-adhesiveness.

Maximum continuous service temperature is 180°C.

Construction



Fig. 1

Applications

- For roll wrapping of polyethylene laminators (Suitable for long continuous use as the tape has superior durability and mechanical strength).
- For endless belts of polyethylene laminators (Time for changing tapes upon dimensional change of laminated products can be shortened by making a double-layered endless belt by bonding the adhesive sides of No. 923S together, or, depending on application, with NITOFLON No. 923UL or 923S).
- For insulation of coils as a class H insulating material.
- Can be laminated with metals, plastics and ceramics as general sliding materials.

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Standard Products Size

Table. 1

Thickness (mm)	Width (mm)	Length (m)
0.10	25, 38, 50, 75, 100	33

*Contact us for information concerning sizes other than standard sizes.

General Properties

Table. 2

Items	Unit	No. 923S	Test method
Thickness	mm	0.10	ASTM D 1000
Tensile strength	N/19 mm	128	
Elongation	%	71	
Peeling strength	On stainless steel plate N/19 mm	5.3	
Unwinding force	N/19 mm	6.0	
Volume resistivity	$\Omega \cdot \text{cm}$	10^{16}	ASTM D 257
Breakdown voltage	kV	11	ASTM D 149
Copper corrosion	—	None	50°C × 95%RH × 10days
Heat resistance	—	Good	—
Flame resistance	—	Accepted	UL510
Color tone	—	Brown	—
Continuous Service Temperature	°C	−60~180	—

The above values are sample observed values, not the guaranteed performance.

General Properties

- Store the product in the place where direct sunlight and high temperature do not affect.
- Clean up the dusts and oil on the face, before the adhesive put on.

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