

NITOFLON™
NO.923SL

Outline

NITOFLON™ NO.923SL is a tape using polytetrafluoroethylene (PTFE) film as base material. Single surface treated and coated with silicone adhesive with excellent heat resistance. The tape exhibits superior features such as desirable electrical properties, heat resistance, chemical resistance and non-adhesiveness.

Structure

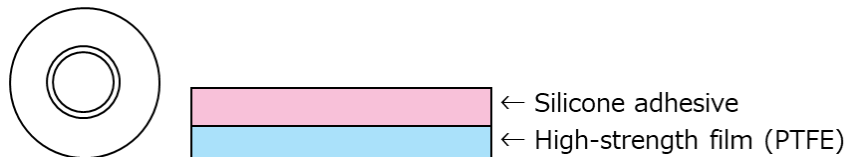


Fig.1 Structure

Features

- The non-adhesive side exhibits excellent characteristics of polytetrafluoroethylene such as electrical characteristics, resistance to weather, chemical, and water (water-shedding), and non-adhesiveness.
- Uses specially enhanced high -strength PTFE film as base material and providing excellent tensile strength.
- Continuous use is possible in a wide temperature range of from -60°C to 200°C (recommended value), and even it can be used at higher temperatures for short periods of time.
- It exhibits good adhesion to various materials.
- Superior flame resistance.

Applications

- For roll wrapping in polyethylene laminators (Suitable for long continuous use as the tape has superior durability and mechanical strength)
- For endless belts of polyethylene laminators (Depending on application, Time for changing tapes upon dimensional change of laminated products can be shortened by making a double-layered endless belt, adhering with NITOFロン NO.923UL or NO.923S)
- For insulation of coils as an insulating material
- For sliding of metal, plastic, ceramic, etc.

Properties

Table.1 General properties

Property	Unit	Characteristic value
Thickness	mm	0.17
180°Peeling strength (Substrate: SUS)	N/19mm	7.9
Unwinding force	N/19mm	7.1
Tensile strength	N/19mm	280
Elongation	%	113
Breakdown voltage	kV	19.0
Flame resistance	–	UL510A Flame Retardant (E34833)
Color	–	Greyish brown
Continuous use temp.	°C	-60~200

Notes

- Remove oil, moisture, and dust from the surface of the adherend.
- Hold the part to be pasted well and crimp it sufficiently.
- It takes some time for the tape to exhibit its original adhesive strength. After pasting, leave it for several hours before use.
- Please note that the mechanical properties, adhesive performance, etc. will deteriorate at high temperatures.
- When disposing of this product, please dispose of it according to the local regulations. When incinerating it, please use an appropriate disposal equipment otherwise harmful fluorine gas would be generated.
- Do not heat it above 400°C as fluorine gas may be generated.
- This product is for industrial use. Please do not use it on the human body.
- Store in a cool place away from direct sunlight.