

NITOFLON™ No.901UL / No.902UL

Outline

NITOFLON™ No.901UL/No.902UL are polytetrafluoroethylene (PTFE) film products with excellent properties such as heat resistance, electrical insulation, and chemical resistance. One side of No.901UL and both sides of No.902UL are treated to make it easier for adhesives to adhere.

Structure

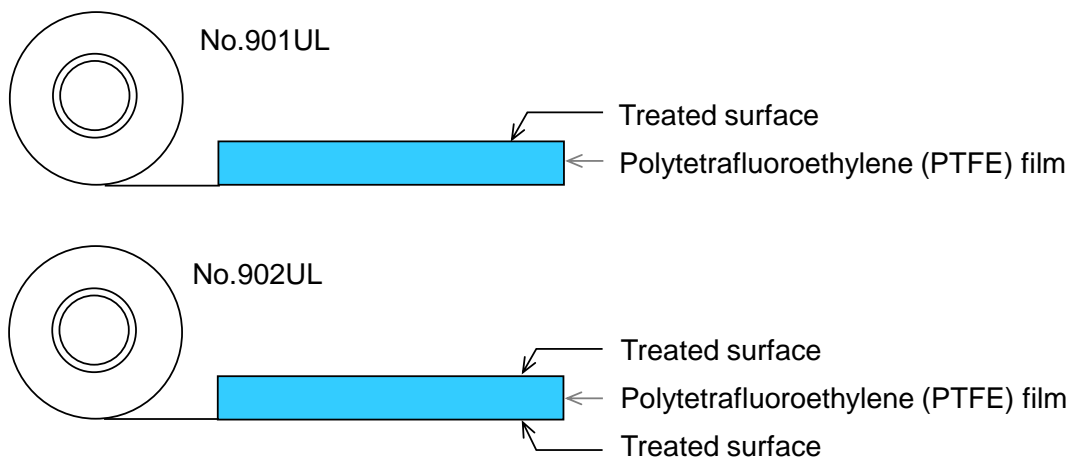


Fig.1 Structure

Features

- Available in wide range of thickness lineups from 0.05mm to 1.0mm.
- Treated surfaces can be pasted with commercially available adhesives, adhesive tapes, etc.
- Properties other than adhesiveness are similar to those of the original product, NO.900UL, and have excellent properties such as heat resistance, electrical insulation, low friction, and chemical resistance.

Applications

- Promotes slipping of hoppers and guide rolls, and improves surface properties by adhering to iron plates and wood.
- Heat-resistant electrical insulation material for coil insulation, lead insulation, etc. (No.902UL)

Notes: This data represents examples of measured values, and not guaranteed values. They do not guarantee compatibility with the applications described in these documents. Please confirm compatibility with your application prior to use. We retain all rights, including copyrights, for the contents of these documents. Copying, reprinting and use for purposes other than originally intended are strictly prohibited without our prior expressed permission.

Properties

Table 1 General Properties

Item	Unit	Property value (No.901UL)							
		0.05	0.08	0.10	0.13	0.18	0.3	0.5	1.0
Thickness	mm	0.05	0.08	0.10	0.13	0.18	0.3	0.5	1.0
Tensile strength	MPa	50	50	50	50	50	50	45	40
Elongation	%	300	300	310	320	330	330	370	400
Breakdown voltage	kV	6.0	6.3	9.6	11.6	14.1	19.5	26.7	37.7
Relative gravity	—	2.1~2.3							
Flame resistance	—	UL94 (E52859) VTM-0(0.02~0.24mmt) / V-0(over 0.25mm)							

Notes

- 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 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.