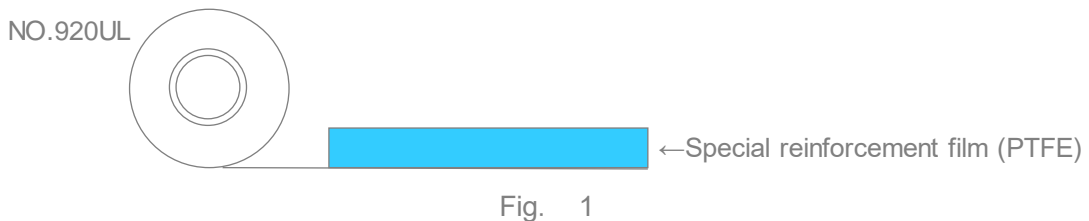


NITOFロン Special Reinforcement Film
NO.920UL

Outline

NITOFロン Special Reinforcement Film called NO.920UL is made of polytetrafluoroethylene, and has excellent properties such as non-adhesive, very thin and strong, and is used as a special film excluding filling materials.

Structure



Features

- Extremely smooth surface properties.
- Excellent heat resistance (continuous service temperature ranges from -100°C to +260°C).
- High mechanical strength and little elongation.

Standard Products Size

Table.1

Product Name	Thickness(mm)	Width(mm)	Length(m)
NO.920UL	0.020, 0.025, 0.030 0.040, 0.050, 0.060 0.100	50, 100, 150 200, 250, 300	30 · 50

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

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.

General Properties

Table. 2

Item		Unit	Properties			
			NO.900UL	NO.920UL		
Thickness		mm	0.05	0.05	0.02	
Tensile strength	Length direction	MPa	50	80	77	
	Width direction	MPa	40	39	-	
Elongation	Length direction	%	300	117	111	
	Width direction	%	330	335	-	
Breakdown voltage	Average	kV	7.4	11.3	5.4	
	Minimum	kV	5.0	9.9	4.5	
Heating shrinkage rate	100°C	Length direction	%	1.5	3.3	-
		Width direction	%	-1.2	-0.8	-
	200°C	Length direction	%	2.9	11.6	-
		Width direction	%	-1.8	-2.4	-
	260°C	Length direction	%	2.8	18.5	-
		Width direction	%	-1.8	-2.5	-
Water absorption		%	0	0	0	
Thermal conductivity		W/(m·K)	0.25	0.23	0.23	
Flame resistance		—	UL94 (E52859) VTM-0/V-0			