

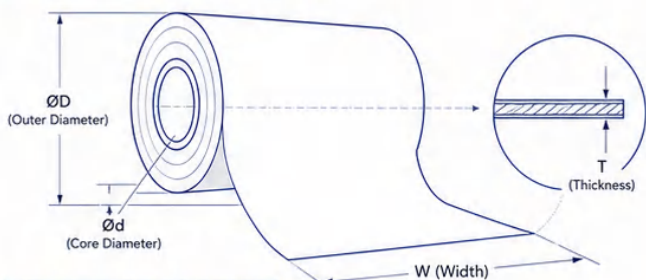


SKIVED PURE PTFE FILM

ENGINEERING SPECIFICATIONS



2. DIMENSIONAL DRAWING



3. STANDARD DIMENSIONS

THICKNESS OPTIONS	SHEET WIDTH (W)	ROLL LENGTH (L)
T (mm)	mm	m / Roll
0.03	100	10
0.05	200	20
0.10	300	30
0.20	500	50
0.30	1000	100
0.50	1200	Custom
1.00	1500	
Custom	Custom	

4. TOLERANCE

ITEM	TOLERANCE
Thickness	±0.02 mm
Width	+1.0 / -0 mm
Length	±1% or ±1 m (whichever is greater)
Straightness	≤ 5 mm / 1000 mm
Flatness	≤ 0.5%

8. NOTES

- All values are typical and not intended for specification purposes.
- Values based on film thickness 0.10 mm unless otherwise specified.
- Custom sizes and special requirements are available.

1. PRODUCT DESCRIPTION

Skived Pure PTFE Film is manufactured from 100% virgin PTFE resin using advanced skiving technology. It features excellent chemical resistance, superior electrical insulation, low friction and outstanding high temperature performance. Widely used in electrical insulation, chemical processing, semiconductor, lithium battery, gasketing and sealing applications.



HIGH
TEMPERATURE
RESISTANCE



EXCELLENT
CHEMICAL
RESISTANCE



EXCELLENT
ELECTRICAL
INSULATION



NON-STICK
LOW FRICTION



DURABLE &
RELIABLE

5. TECHNICAL PROPERTIES

PROPERTY	VALUE
Material	Virgin PTFE (Polytetrafluoroethylene)
Color	White
Density	2.15 – 2.20 g/cm ³
Tensile Strength	≥ 20 MPa
Elongation at Break	≥ 200%
Dielectric Strength	≥ 60 kV/mm
Volume Resistivity	≥ 1.0 × 10 ¹⁸ Ω·cm
Surface Resistivity	≥ 1.0 × 10 ¹³ Ω
Operating Temperature	-190°C to +260°C
Melting Point	327°C
Chemical Resistance	Excellent (See chemical resistance chart)
Flammability	UL94 V-0
Food Contact	Compliant with FDA 21 CFR 177.1550

6. OPERATING TEMPERATURE RANGE

-190°C



+260°C



Continuous Use

7. APPLICATIONS



Electrical
Insulation



Chemical
Processing



Semiconductor
Equipment



Lithium Battery
Manufacturing



Gaskets &
Sealing



Industrial
Applications