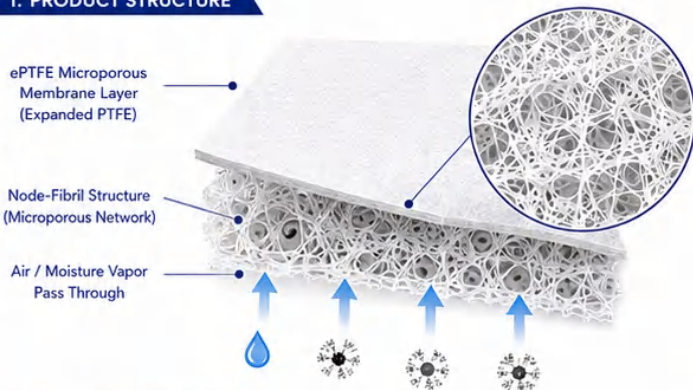




ePTFE MICROPOROUS BREATHABLE FILM

WATERPROOF • BREATHABLE • CHEMICAL RESISTANT • DURABLE

1. PRODUCT STRUCTURE



3. THICKNESS OPTIONS

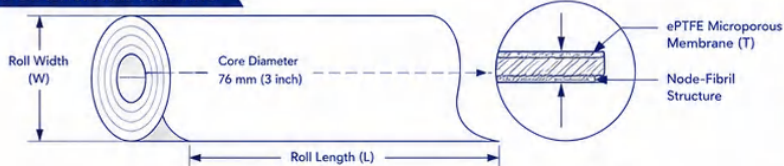
Thickness (μm)	Tolerance (μm)
15	± 3
20	± 3
30	± 5
50	± 5
Custom	Customizable



4. STANDARD SIZES

Item	Specification
Roll Width	500 mm / 1000 mm / 1500 mm (Custom width available)
Roll Length	100 m / 200 m / 300 m (Custom length available)
Core Diameter	76 mm (3 inch)
Packaging	PE bag + Carton / Pallet
Surface Finish	Smooth / Matte

6. DIMENSIONAL DRAWING



2. TYPICAL PROPERTIES

Property	Test Method	Unit	Typical Value
Material	-	-	Expanded PTFE
Color	-	-	White
Density	ASTM D792	g/cm ³	0.20 – 0.45
Thickness	ASTM D374	μm	15 – 50
Pore Size (Mean)	ASTM F316	μm	0.1 – 0.5
Air Permeability	ASTM D737	L/m ² ·s@200Pa	100 – 2000
Water Entry Pressure	AATCC 127	cmH ₂ O	≥ 200
Water Vapor Transmission Rate	ASTM E96	g/m ² ·24h	800 – 5000
Hydrostatic Pressure Resistance	ISO 811	mmH ₂ O	≥ 10000
Operating Temperature	-	°C	-70 to +260
Chemical Resistance	-	-	Excellent
Flammability	UL 94	-	V-0
RoHS / REACH	-	-	Compliant

5. PERFORMANCE COMPARISON

Performance	ePTFE Film	PU Membrane	PE Film	Nonwoven Fabric
Waterproof	★★★★★	★★★★	★★★★★	★
Breathability	★★★★★	★★★★	★	★★★
Chemical Resistance	★★★★★	★★★	★★★	★★
Temperature Resistance	★★★★★	★★★	★★	★★
Durability	★★★★★	★★★★	★★★	★★

7. OPERATING TEMPERATURE RANGE



WATERPROOF

Excellent water barrier, withstand high water pressure.



BREATHABLE

High air permeability, efficient moisture vapor transmission.



DUST & PARTICLE BARRIER

Blocks dust, dirt, pollen and other fine particles effectively.



CHEMICAL RESISTANT

Resistant to acids, alkalis, solvents and most chemicals.



WIDE TEMPERATURE RANGE

Stable performance from -70°C to +260°C.



OEM LAMINATION AVAILABLE

Support lamination, die-cutting and custom conversion.

Custom specifications available upon request.