

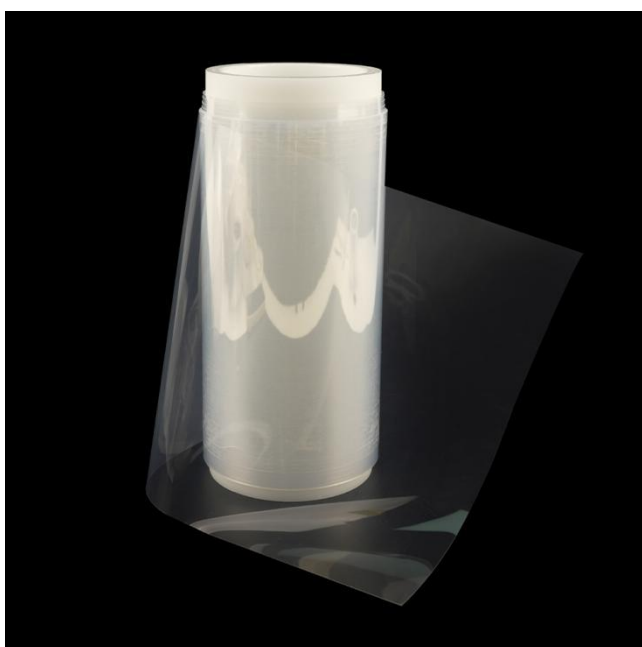


Product Technical Specification

1. Product Description

P6200P FEP film is manufactured using a melt extrusion process, and the film production is carried out in a cleanroom environment. The product has a maximum width of 1500mm. It possesses excellent chemical resistance, non-stick surface properties, high light transmittance, and high temperature resistance.

2. Product Image



3. Main Use

- ✧ It has excellent chemical resistance and light transmittance, making it very suitable for use in light-curing 3D printing release films. It has a long service life, and its superior non-stick properties greatly improve product yield.

4. Product Features

- Good release performance, meets the release requirements of various products, and can be reused
- The ultraviolet transmittance is over 95%, making the printed products more perfect
- Unaffected by strong acids, strong bases, oxidizing agents, and other solvents
- The high-purity product surface provides release properties and durability

➤ Meets UL94 V0 standard

5. Typical Performance

Test items	Typical Value	Unit	Test Method
Material	PFA	-	-
Total Thickness	25~150	μm	-
Specific Gravity	2.12~2.17	-	ASTM D1505
Refractive Index	1.345	-	ASTM D542
Light Transmittance	96	%	ASTM E424
Moisture Absorption Rate	<0.01	%	-
Fracture Strength	22	Mpa	ASTM D882
Elongation at Break	300	%	ASTM D882
MIT Bending Cycles	100,000	cycles	ASTM D2176
Melting Point	270	°C	ASTM D3418
Long-Term Use Temperature	205	°C	UL-746B
Heat Shrinkage Rate (150°C × 10 min)	±2	%	ASTM D3595-97
Flame Retardancy	VTM-0	-	UL-94
Limiting Oxygen Index	95	Vol%	ASTM D2863
Dielectric Strength	0.025mm Film	250	kV/mm
	1mm film	35	
Dielectric Constant	1MHz	2.03	-
	1000MHz	2.01	
Dielectric Loss	1MHz	0.0003	-
	1000MHz	0.0005	
Volume Resistivity	>1.0*10 ¹⁸	ohm.cm	ASTM D257
Surface Resistivity	>1.0*10 ¹⁶	ohm/sq	ASTM D257

6. Product specifications

- Width: 30~1500mm
- Other customization

7. Storage and Shelf Life

It is recommended to store in a clean and dry place, away from direct sunlight, to prevent the packaging from breaking. The storage temperature is -10~40°C, and the humidity is less than 30-60%;

To maintain the best performance, this product should be used within 24 months from the date of production.