

THV Fluorine plastic melt extruded film

THV film, a high-performance fluoropolymer, is synthesized from the copolymerization of tetrafluoroethylene (TFE), hexafluoropropylene (HFP), and vinylidene fluoride (VDF).

It has excellent chemical stability, good optical properties, flexibility at low temperatures, and outstanding processability. It is widely used in fields such as electronics, medical, and aerospace for applications including insulating layers, packaging of medical devices, and production of equipment components.

THV Film Characteristics

- Excellent resistance to low temperatures
- Excellent flexibility
- Excellent fuel permeation resistance
- Stick to itself and other multilayer structures
- Chemically inert to most chemicals and solvents
- Compositing with olefin plastics & hydrocarbon elastomers.
- Excellent optical transmittance & transparency, with high light transmission over a broad range of wavelengths.
- Excellent high-temperature stability, with minimal risk of deformation or decomposition in high-temperature environments.

THV Film Applications

- Electronics and Electrical
- Aerospace
- Photovoltaic Back Sheet
- Chemical Sealing
- Medical Equipment
- Pharmaceutical Packaging

THV Film Specification

- Thickness Range: 12µm to 150µm (0.5-6mil)
- Standard Width: Maximum to 1600mm (63 inch)
- Surfaces Treatment:
Plasma Treatment / Chemically Etching Treatment
- Any syncoated widths available upon request

			THV Film
Basic Performance	Unit	Test method	
Thickness	µm	Micrometer	12.7-150
	mil	Micrometer	0.5 - 6
Width	mm		1600
	inch		63
Color			Clear
Specific Gravity		ASTM D792	1.98
Visible Light Transmittance	%	ASTM D1003	92
Haze(200µm(8mil) film)	%	ASTMD3418	7
Melt Point	°C	ASTMD3418	165
Tensile Strength	Mpa	ASTM D-882	10
Elongation at Break	%	ASTM D-882	500

Represent typical performance properties and should not be used for specification purposes.

Contact PLUSXTECH film sales representative for appropriate values.

Reliable Fluoroplastics X Innovative Future