PTFE Sheet

POLY FLUORO LTD.
PERFORMANCE PLASTICS

PTFE sheets can be made either by skiving or by moulding. Skived sheets are usually made for thicknesses of 0.1mm to 4mm, while moulding is employed for higher thicknesses.

PTFE sheets find numerous applications in load bearings, insulation, sliding supports, and wear plates. They come in a variety of fillers including bronze, glass, and carbon. Specialized blends can also be made and pigmented as required.

Good quality PTFE sheet depends on strictly following established proprietary moulding and skiving techniques. The sheets can be etched on one or both sides to allow for bonding with other materials, as per requirements.

- Excellent release properties
- High deflection temperatures
- Extraordinary flex life
- Excellent chemical and weather resistance
- High compressive strength
- Does not support combustion
- Low coefficient of friction
- Low linear coefficient of expansion

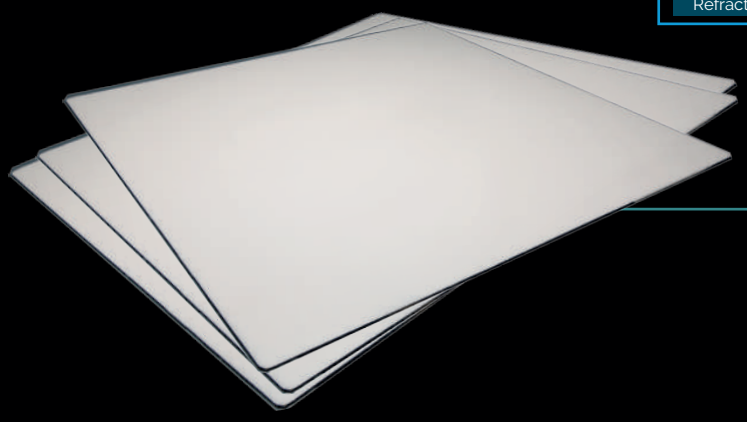
Why Poly Fluoro?

- Due to our in-house moulding, skiving and etching facilities, Poly Fluoro can offer customized thicknesses and widths. Therefore, we do not compel the client to choose from a stock list of dimensions, but rather help them **find customised solutions** that match their exact requirements.

- Poly Fluoro only uses the **best quality** resins in manufacturing films. The tensile properties, electrical properties, and consistency of our products are in line with **global standards** since we do not believe in employing any reprocessed/recycled resins in our process.

- If the sheet needs to be bonded with another material or machined with holes or a profile, we have the facilities in house to undertake the same for the client as **value-added services.**

Typical Properties of Poly Fluoro-PTFE Sheet	Units	Value	Standard
Mechanical			
Tensile strength	MPa	15-30	D 4894
Ultimate elongation	%	350	D 4894
Hardness, Shore D		53-57	D2240
Impact strength, (Izod)	J/m	160	D256
Compressive strength	Mpa	35-45	D695
Coefficient of friction (static)		0.03	D 4894
Coefficient of friction (dynamic)		0.03	D 4894
Deformation under Load, 1hr, 230C @ 14.2 N/mm2	%	11.8	D1894
Permanent deformation, 24 Hrs, 230C @ 14.2N/mm2	%	7.9	D621A
General			
Specific gravity		2.13-2.24	D792
Water absorption, (24 hours)	%	<0.01	D570
Flammability		V0	UL94
Oxygen index		>95	D2863
Refractive index		1.376	D542



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