

PTFE Sheet — Size Chart / Common Sizes / Specifications

Item	Typical industry range / common sizes	Notes / supplier practice
Thickness — metric (mm)	0.2 / 0.3 / 0.5 / 0.8 / 1 / 1.5 / 2 / 3 / 4 / 5 / 6 / 8 / 10 / 12 / 15 / 20 / 25 / 30 / 40 / 50 (and thicker up to 100mm in special molded plates)	Skived sheets generally for thin precise gauges (0.2 - 6 mm); molded plates available in thicker sections.
Thickness — imperial (in)	1/64" (≈ 0.4 mm), 1/32" (≈ 0.8 mm), 1/16" (≈ 1.6 mm), 1/8" (≈ 3.2 mm), 1/4", 1/2", 1", 2" etc.	Common stock thicknesses shown in North American catalogs.
Standard sheet formats (mm)	600×600, 1000×1000, 1200×1200, 1500×1500, 2000×1000, 2000×1500	Large format plates (2000×1000 mm or 1500×1500 mm) are common for industrial machining.
Standard sheet formats (in)	12×12", 24×24", 24×48", 36×48", 48×96" (supplier dependent)	McMaster and US suppliers show many imperial sizes and cut-to-size options.
Roll / film sizes	PTFE film / tape available in roll widths and long lengths; ePTFE available in roll form	Films are different product families; check supplier for adhesive/film specs.

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Weight per m ² (approx)	Depends on thickness — e. g., 1 mm ≈ 2.20 kg/m ² (density ≈2.2 g/cm ³)	Useful for logistics & cutting estimates.
Surface finish	Smooth (skived/milled), ground, one side etched (for bonding), textured (for special uses)	Etched side commonly brown when chemically treated for adhesive bonding.
Tolerances (thickness)	±0.05 - 0.2 mm typical for skived thin sheets; larger for molded blocks	Check supplier tolerance table for each thickness.
Edge squareness & flatness	Supplier-specified; precision skived sheets have tighter flatness tolerances	For gasket / sealing use specify machining tolerance.
Typical grades in stock	Virgin PTFE (white), filled PTFE (carbon, glass, bronze), ePTFE (expanded), sintered	Stocking varies by distributor and region.
Common certifications available	FDA food contact, RoHS, REACH, MSDS, ISO batch docs	Supplier should provide certificates on request.