

Technical Data of PTFE Sheet

Item		Value
MACHINE PERFORMANCE	SPECIFY GRAVITY	2.3-2.4 g/cm3
	ELONGATION AT BREAK	200--450%
	TENSILE STRENGTH	14--48MPa
	BENDING STRENGTH	no break
	PRESSURE	24MPa
	TENSILE MODULUS (YOUNG’S MODULUS)	393MPa
	BENDING MODULUS	490--586MPa
	HARDNESS	50--65 SHORE D
	FRICTION COEFFICIENT	0.02
	ABRASION RESISTANCE (1000revs)	12
	IMPACT STRENGTH ( Jzod 73°F 23°C, notched)	6.3KJ/m2
HEAT PERFORMANCE	MELTING POINT	327 °C
	WORKING TEMPERATURE (20000 HOURS, highest)	260°C
	FLAME RETARDANCE	V-0
	EFFECTIVE THERMAL CONDUCTIVITY	1.7/6*10-4
	COEFFICIENT OF LINEAR THERMAL EXPANSION (10-5°C)	>11.6
	TEMPERATURE (lowest)	-268°C
ELETRICITY PERFORMANCE	DIELECTRIC CONSTANT	2.1
	DIELECTRIC STRENGTH (10mil PELLICLE)	>1400
	VOLUME RESISTIVITY	>1018Ω·cm
	SURFACE RESISTIVITY	>1017Ω/sq
GENERAL PERFORMANCE	CHEMICAL SOLVENT-RESISTANCE	EXCELLENCE
	WATER ABSORPTION (24h)	<0.01%
	REFLECTION COEFFICIENT	1.35
	LIMITING OXYGEN INDEX	<95