

TECHNICAL DATA SHEET

100% VIRGIN PTFE SHEETS

Conforming to ISO 13000-1 Grade 2

Property	Unit	Value
Density	Gms/cc	2.13 - 2.18
Tensile strength	Kg/cm ²	≥200
Elongation	%	≥250
Impact strength	Kg.cm/cm ²	≥13
Hardness	Shore D	50 - 55
Compressive strength at 1% def.	Kg/cm ²	60 - 80
Coefficient of thermal conductivity	kcal / m. Hr. °C	5.8 – 6.0
Volume resistivity, at 50% RH	Ohm cm	≥10 ¹⁸
Surface resistivity , at 50% RH	Ohm	≥10 ¹⁷
Safe Operating temperatures	°C	- 50 to 250 (biological, pharma, food applications) - 50 to 280 (Non-bio/food/pharma applications)
Dielectric strength	KV/mm	≥60
Coefficient of friction, static	-	≤ 0.08
Moisture / solvent absorption	-	Negligible
Combustibility	-	Non-combustible
Weather resistance	-	Excellent
Chemical resistance		Excellent, except for highly fluorinating agents

Important Note: The values above are given solely for purposes of reference. Our company does not undertake any liability or responsibility linked with the use of our materials, taking into account the above parameters.