

SPECIFICATION SHEET

PTFE-00 Virgin Ptfе Sheet

Properties	Test Method	Unit	Result
Density	ASTM D792	g/cm ³	2,4 – 2,18
Hardness – shore D	ASTM D2240	Points	≥ 55
Tensile strength	ASTM D4894	N/mm ²	≥ 24
Elongation at break	ASTM D4894	%	≥ 250
Compressive strength at 1% deformation	ASTM D695	N/mm ²	4 – 5
Deformation under load at room temperature, 24 hours at 13,7 N/mm ²	ASTM D621	%	14 – 17
Permanent deformation as above after releasing of 24 hours at room temperature	ASTM D621	%	7 – 9
Deformation under load at 260°C, 24 hours at 4,1 N/mm ²	ASTM D621	%	30 – 32
Permanent deformation as above after releasing of 24 hours at room temperature	ASTM D621	%	17 – 19
Impact strength Izod	ASTM D256	J/m	153
Coefficient of friction (dynamic)	ASTM D1894	/	0,06
Wear factor	ASTM D3702	cm ³ min 10 ⁸ /kg m h	2,900
PV limit At 3 m/min At 30 m/min At 300 m/min	-	N/mm ² x m/min	2,4 4,2 5,7
Thermal			
Service temperature	-	°C	-200 / + 260
Flame resistance reating – typicla value	UL 94	-	V – 0
Thermal expansion coefficient (Linear) 25 - 100°C	ASTM D696	10 ⁻⁵ /°C	12 – 13

Properties	Test Method	Unit	Result
Electrical			
Dielectric strength (specimen 0,5mm thick)	ASTM D149	KV/mm	20 – 40
Volume resistivity	ATM D256	Ω x cm	10 ¹⁸

QUALITY ASSURED PRODUCTS WITH FULL TRACEABILITY

Care should be taken in selecting the most suitable quality for each application.

Advice is available but final responsibility remains with the customer.