



SPECIFICATION SHEET

PTFE G400

Properties	Test Method	Unit	Results
Physical - mechanical			
Density	ASTM D792	g/cm ³	2.14 – 2.18
Hardness – shore D	ASTM D2240	Points	≥ 55
Tensile Strength	ASTM D4894	N/mm ²	≥ 24
Elongation at break	ASTM D4894	%	≥ 250
Compression strength at 1% deformation	ASTM D695	N/mm ²	4 – 5
Deformation under load at room temperature for 24 hrs @ 137 n/mm ²	ASTM D695	%	14 – 17
Permanent deformation as above after release of 24hrs at room temperature	ASTM D621	%	7 – 9
Deformation under load at 260°C, 24 hrs at 4.1N/mm ²	ASTM D621	%	30 – 32
Permanent deformation as above after releasing of 24 hrs 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 (K)	ASTM D3702	cm ³ min 10 ⁸ /kg m h	2.900
PVC limit @ 3 m/min @ 30 m/min @ 300 m/min	N/mm ² x m/min	/	2.4 4.2 5.7

Thermal			
Service temperature (min – max)	/	°C	-200 / + 260
Flame resistance rating – typical value	UL 94	/	V – 0
Thermal expansion coefficient (linear) 25 – 100°C	ASTM D696	$10^{-5}/^{\circ}\text{C}$	12 – 13
Electrical			
Dielectric strength (specimen 0.5mm thick)	ASTM D149	KV/mm	20 – 40
Volume resistivity	ASTM D256	$\Omega \times \text{cm}$	10_{18}
Surface resistivity	ASTM D256	Ω	10_{17}

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.