



TECHNICAL DATA SHEET	
PTFE	G400

Properties	Unit	Method	Moulded
PHYSICAL - MECHANICAL			
Density	g/cm ³	ASTM D792	2,14 - 2,18
Hardness - Shore D	Points	ASTM D2240	≥ 55
Tensile strength	N/mm ²	ASTM D4894	≥ 24
Elongation at break	%	ASTM D4894	≥ 250
Compressive strength at 1% deformation	N/mm ²	ASTM D695	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	J/m	ASTM D256	153
Coefficient of friction (dynamic)	/	ASTM D1894	0,06
Wear factor (K)	cm ³ min 10 ⁻⁸ / kg m h	ASTM D3702	2,900
PV limit			
at 3 m/min	N/mm ² x m/min	/	2,4
at 30 m/min			4,2
at 300 m/min			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	10 ⁻⁵ / °C	ASTM D696	12 - 13

ELECTRICAL			
Dielectric strength (specimen 0,5 mm thick)	KV/mm	ASTM D149	20 - 40
Volume Resistivity	Ω x cm	ASTM D256	10 ¹⁸
Surface Resistivity	Ω	ASTM D256	10 ¹⁷

The data we are herewith providing are all based on laboratory testing and are proposed to technical designers as possible and useful advice. Deviations from the values hereabove indicated may occur, but they do not constitute themselves either detriment of quality or reason for rejection.

MUK 1 March 2009

