

TECHNICAL DATA SHEET

PTFE G400

Source data: 22 March 2006

MATERIAL

PTFE

MODIFICATION

G400, extruded

COLOUR

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Property	Unit	Test method	Reference value
Physical - mechanical properties			
Density	g/cm ³	ASTM D792	2.14 - 2.18
Hardness - Shore D	points	ASTM D2240	51 - 60
Tensile strength	N/mm ²	ASTM D4894	≥20
Elongation at break	%	ASTM D4894	≥200
Compressive strength at 1 % deformation	N/mm ²	ASTM D695	4 - 5
Deformation under load, 24 h at 13.7 N/mm ²	%	ASTM D621	14 - 17
Permanent deformation after release, 24 h	%	ASTM D621	7 - 8
Coefficient of friction (dynamic)	-	ASTM D1894	0.06
Thermal properties			
Service temperature (min. - max.)	°C	-	-200/+260
Linear thermal expansion coefficient (25 - 100 °C)	10 ⁻⁵ /°C	ASTM D696	12 - 13

NOTES ON USE

The values are based on laboratory testing and are intended as useful guidance for technical design. Deviations may occur and do not in themselves constitute a loss of quality or a reason for rejection.