

# PTFE G400



Properties	Unit	Method	Data - Extruded
<b>PHYSICAL - MECHANICAL</b>			
Density	g/cm <sup>3</sup>	ASTM D792	2,14 - 2,18
Hardness - Shore D	/	ASTM D2240	≥ 50
Tensile Strength - CD	N/mm <sup>2</sup>	ISO 12086 ISO 527	≥ 20
Elongation at break - CD	%	ISO 12086 ISO 527	≥ 200
Compressive strength at 1% deformation - CD	N/mm <sup>2</sup>	ASTM D695	4 - 5
Deformation under load at room temperature after 24 hours at 13,7 N/mm <sup>2</sup> - CD	%	ASTM D621	≤ 17
Permanent deformation as above after 24 hours of rest at room temperature - CD	%	ASTM D621	≤ 8
<b>THERMAL</b>			
Service Temperature (min - max)	°C	/	- 200 / + 260
Thermal expansion coefficient (linear) 25 - 100°C	10 <sup>-5</sup> (mm/mm)/ °C	Similar to ASTM D696	12 - 13
<b>ELECTRICAL</b>			
Dielectric strength (specimen 0,5 mm thick)	KV/mm	ASTM D149	20 - 40