

PTFE (Extrusión)

PROPERTIES	UNIT	METHOD	DATA EXTRUDED
PHYSICAL – MECHANICAL			
Density	g/cm ³	ASTM D792	2.14 – 2.18
Hardness – Shore D	/	ASTM D2240	≥ 50
Tensile Strength CD	N/mm ²	ISO 12086 / ISO 527	≥ 20
Elongation at break – CD	%	ISO 12086 / ISO 527	≥ 200
Compressive strength at 1% deformation – CD	N/mm ²	ASTM D 695	4 – 5
Deformation under load at room temperature after 24 hours at 13.7 N/mm ² – CD	%	ASTM D621	≤ 17
Permanent deformation as above after 24 hours of rest at room temperature – CD	%	ASTM D621	≤ 8
THERMAL			
Service Temperature (min – max)	°C	/	-200 / + 260
Thermal expansion coefficient (linear) 25 – 100 °C	10 ⁻⁵ (mm/mm)/°C	Similar to ASTM D696	12 - 13
ELECTRICAL			
Dielectric strength (specimen 0.5 mm thick)	KV/mm	ASTM D149	20 - 40

CD = Cross Direction