

# PTFE

(Extrusión)

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

CD = Cross Direction