

TECHNICAL DATA SHEET

%25 GLASS FIBER FILLED PTFE EXTRUDED

PHYSICAL - MECHANICAL

Properties	Unit	Method	Data-Extruded
Density	g/cm ³	ASTM D792	2,18 - 2,26
Hardness - Shore D	/	ASTM D2240	≥ 60
Tensile Strength	N/mm ²	ISO 12086 ISO 527	≥ 13
Elongation at break	%	ISO 12086 ISO 527	≥ 180
Compressive strength at 1% deformation	N/mm ²	ASTM D695	≥ 6,5
Deformation under load at room temperature 24 Hours at 13,7 N/mm ²	%	ASTM D621	≤ 14
Permanent deformation as above after releasing of 24 hours at room temperature	%	ASTM D621	≤ 8

THERMAL

Properties	Unit	Method	Data-Extruded
Service Temperature (min - max)	°C	/	- 200 / + 260
Thermal expansion coefficient (linear) 25 - 100°C	10 ⁻⁵ (mm/mm)/ °C	Similar to ASTM D696	11 - 14

ELECTRICAL

Properties	Unit	Method	Data-Extruded
Volume Resistivity	Ω · cm	ASTM D257	≥ 10 ¹⁵
Surface Resistivity	Ω	ASTM D257	≥ 10 ¹⁵
Dielectric strength (specimen 0,5 mm thick)	KV/mm	ASTM D149	≥ 15