

TECHNICAL DATA SHEET

%25 CARBOGRAPHITE FILLED PTFE MOULDED

PHYSICAL - MECHANICAL

Properties	Unit	Method	Data-Extruded
Density	g/cm ³	ASTM D792	2,05 - 2,11
Hardness - Shore D	/	ASTM D2240	≥ 64
Tensile Strength - CD	N/mm ²	ISO 12086 ISO 527	≥ 13
Elongation at break - CD	%	ISO 12086 ISO 527	≥ 70
Compressive strength at 1% deformation - CD	N/mm ²	ASTM D695	≥ 7
Deformation under load at room temperature after 24 hours at 13,7 N/mm ² - CD	%	ASTM D621	≤ 7
Permanent deformation as above after 24 hours of rest at room temperature - CD	%	ASTM D621	≤ 5

TRIBOLOGICAL

Properties	Unit	Method	Data-Extruded
Dynamic coefficient of friction	/	ASTM D1894 ASTM D3702	0,12 - 0,15
Wear factor K	/	ASTM D3702	0,010 - 0,020

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	10 - 12

ELECTRICAL

Properties	Unit	Method	Data-Extruded
Volume Resistivity	Ω • cm	ASTM D257	10 ³
Surface Resistivity	Ω	ASTM D257	10 ³