

TECHNICAL DATA SHEET

%40 BRONZ FILLED PTFE MOULDED

PHYSICAL - MECHANICAL

Properties	Unit	Method	Data-Extruded
Density	g/cm ³	ASTM D792	2,98 - 3,16
Hardness - Shore D	/	ASTM D2240	≥ 58
Tensile Strength - CD	N/mm ²	ISO 12086 ISO 527	≥ 20
Elongation at break - CD	%	ISO 12086 ISO 527	≥ 220
Compressive strength at 1% deformation - CD	N/mm ²	ASTM D695	≥ 8
Deformation under load at room temperature 24 Hours at 13,7 N/mm ² - CD	%	ASTM D621	≤ 8
Permanent deformation as above after releasing of 24 hours at room temperature - CD	%	ASTM D621	≤ 5

TRIBOLOGICAL

Properties	Unit	Method	Data-Extruded
Dynamic coefficient of friction-PV = 0,7 N/mm ² • m/s	/	ASTM D3702	0,15 - 0,25
Wear factor (K) - PV = 0,7 N/mm ² • m/s	µm / h•N /mm ² •m•min	ASTM D3702	0,010 - 0,030

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	8 - 11

ELECTRICAL

Properties	Unit	Method	Data-Extruded
Surface Resistivity	Ω	ASTM D257	> 10 ¹²