

PTFE + 25% Glass fibres

General properties	Test method		
Specific gravity	ASTM D792	g/cm ³	2,230 - 2.260
Tensile strength	ASTM D4894	MPa	≤ 13
Elongation	ASTM D4894	%	≤ 180
Hardness	ASTM D2240	Shore D	≤ 60
Compression strength at 1% deformation		MPa	≤ 9
Deformation under load (140Kg/cm ² for 24 hrs. at 23°C)	ASTM D621	%	09 - 11
Permanent deformation (after for 24 hrs. Relaxation at 23°C)	ASTM D621	%	5,0 - 6,5
Permanent deformation (after 24 hrs. Relaxation at 23°C)		10-5 /°C	
Coefficient of static friction			7,7 - 11-2
Coefficient of dynamic friction			8,5
Volume resistivity	ASTM D257	Ohm*cm	10 ⁴
Ageing and weatherability			stable over 20 years of exposure
Radiations resistance (gamma rays)	LOW:	Electrical properties unchanged, mechanical properties decreased	
Service temperature		°C	-200 / +260

Product characteristics

- Improved compression and wear resistance.
- Excellent chemical stability.
- Better thermal conductivity and coefficient of friction when combined with Mos2 or Graphite.

Typical field of application

- It is the most commonly used filler for dynamic seal applications where both rotating and alternating movements are involved, pneumatic, hydraulic and mechanical parts.

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.