

PRODUCT

15%GL+5%GR

(80% Virgin ptfe+ 15% Glassfibers+ 5% Graphite)

Property	Method	Units	Specification
Specific gravity	ASTM D792	g/cm ³	2,140 – 2,170
Tensile strength	ASTM D4894	MPa	≥ 22
Elongation	ASTM D4894	%	≥ 250
Hardness	ASTM D2240	Shore D	≥ 60
Deformation under load (14N/mm ² , 24 h at 23°C.)	ASTM D621	%	11 - 13
Permanent deformation (after 24 hrs. Relaxation at 23°C)	ASTM D621	%	5,5 - 7
Volume resistivity	ASTM D257	Ohm cm	10 ⁴
Coefficient of static friction			0,12 – 0,14
Coefficient of dynamic friction			0,10 – 0,12
Service Temperature		C°	-200 / +260

Properties:

- Improved compression and wear resistance; excellent chemical stability. Better thermal conductivity and coefficient of friction.

Main applications:

- It is the most commonly used filler for dynamic seal applications where both rotating and alternating movements are involved, pneumatic, hydraulic and mechanical parts.
- In dynamic seal applications, where self-lubricating properties, especially at starting point.

Date: 11/2009