

PRODUCT

15% QUARTZ

(85% virgin ptfе + 15% Quartz)

Property	Method	Units	Specification
Specific gravity	ASTM D4884	g/ cm ³	2,200 – 2,240
Tensile strength	ASTM D4894	MPa	≥ 18
Elongation	ASTM D4894	%	≥ 240
Hardness	ASTM D2240	Shore D	≥ 60
Deformation under load (14N/mm ² , 24 h at 23°C.)	ASTM D621	%	11 - 12
Permanent deformation (after 24 hrs. Relaxation at 23°C)	ASTM D621	%	5 – 5,5
Coefficient of static friction	ASTM D1894		0,18 – 0,20
Coefficient of dynamic friction	ASTM D1894		0,11 – 0,13
Volume Resistivity	ASTM D257	Ohm cm	10 ¹⁵
Service Temperature		C°	-200 / +260

Properties:

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

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.

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