

PRODUCT

15% GR

(85% Virgin ptfе + 15% graphite)

Property	Method	Units	Specification
Specific gravity	ASTM D792	g/cm ³	2,140 – 2,190
Tensile strength	ASTM D4894	MPa	≥ 18
Elongation	ASTM D4894	%	≥ 200
Hardness	ASTM D2240	Shore D	≥ 55
Deformation under load (140 Kg/cm ² for 24 hrs. At 23°C)	ASTM D621	%	9,5 - 11
Permanent deformation (after 24 hrs. Relaxation at 23°C)	ASTM D621	%	5 – 5,5
Coefficient of linear thermal expansion (T= 25 - 100 °C)		10 ⁻⁵ /°C	8 – 13,5
Coefficient of static friction			0,12 – 0,14
Coefficient of dynamic friction			0,09 – 0,11
Volume resistivity	ASTM D257	Ohm cm	10 ⁹
Ageing and weatherability			Stable over 20 years of exposure
Service Temperature		C°	-200/ +260

Properties:

- Good thermal conductivity, low coefficient of friction, low permeability.

Main applications:

- In dynamic seal applications and where self-lubricating properties are important (eg. steering or shock absorber gaskets for light and heavy duty vehicles).

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