

# fluorseals®

prodotti in p.t.f.e.

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## MATERIAL SPECIFICATION

(TYPICAL PROPERTIES)

**PRODUCT: 25% GL (75% virgin ptfe + 25% glass fibres)**

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<u>Property</u>	<u>Method</u>	<u>Units</u>	<u>Specification</u>
Specific gravity	ASTM D792	-	2,230 – 2,260
Tensile strenght	ASTM D4894	MPa	13 - 18
Elongation	ASTM D4894	%	180 - 220
Hardness	ASTM D2240	Shore D	60 - 65
Deformation under load (14N/mm <sup>2</sup> , 24 h at 23° C)	ASTM D621	%	10 - 12
Permanent deformation (after 24 hrs. Relaxation at 23° C)	ASTM D695	%	5 – 6,5
Coefficient of static friction			0,17 – 0,19
Coefficient of dynamic friction			0,15 – 0,17
Volume Resistivity	ASTM D257	Ohm cm	10 <sup>15</sup>
Service Temperature		C°	-200 / +260

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### Properties:

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

### Main applications:

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