

PRODUCT

3%MoS₂

(97% Virgin ptfе + 3% Molybdenum bisulfide)

Property	Method	Units	Specification
Specific gravity	ASTM D792	g/cm ³	2,200 - 2,250
Tensile strength	ASTM D4894	MPa	≥ 25
Elongation	ASTM D4894	%	≥ 250
Hardness	ASTM D2240	Shore D	≥ 55
Deformation under load (14N/mm ² , 24 h at 23°C.)	ASTM D621	%	12,5 - 13,50
Permanent deformation (after 24 hrs. Relaxation at 23°C)	ASTM D621	%	5 - 6
Coefficient of static friction			0,08 – 0,10
Coefficient of dynamic friction			0,06 – 0,08
Volume Resistivity	ASTM D257	Ohm cm	10 ¹⁸
Service Temperature		C°	-200 / +260

Properties:

- Low friction coefficient, good thermal conductivity, improved wear resistance.

Main applications:

- High voltage insulators. In dynamic seal applications, where self-lubricating properties, especially at starting point, are required.

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