

MATERIAL SPECIFICATION
(TYPICAL PROPERTIES)

PRODUCT: PTFE + 15% CERAMIC (BIK)

<u>Property</u>	<u>Method</u>	<u>Units</u>	<u>Specification</u>
Specific gravity	ASTM D792	-	2,240 - 2,270
Tensile strenght	ASTM D4894	MPa	18 - 23
Elongation	ASTM D4894	%	200 - 250
Hardness	ASTM D2240	Shore D	62 - 67
Deformation under load (14N/mm ² , 24 h at 23° C.)	ASTM D621	%	10 - 12
Permanent deformation (after 24 hrs. Relaxation at 23° C)	ASTM D695	%	5 - 7
Dielectric Strength	ASTM D149	KV/mm	20 - 25
Volume Resistivity	ASTM D257	Ohm cm	10 ¹⁵
Coefficient of static friction	ASTM D1894	-	0,30 - 0,32
Coefficient of dynamic friction	ASTM D1894	-	0,28 - 0,30
Service Temperature		C°	-200 / +260

Outstanding properties

Improved compression resistance, good dielectric characteristics.

Main applications

Electrical applications for switches and insulators where good thermal barriers are required

All technical information and advice are based on our experience and are to the best of our knowledge, but do not state any liability by our company. Specifications and values must always be checked by the customers, for they are the only ones that can judge the efficiency of a product taking into account all of the one site operating conditions.