

PRODUCT

15% BIK

(85% Virgin ptfе + 15% Ceramic)

Property	Method	Units	Specification
Specific gravity	ASTM D792	g/ cm ³	2,240 - 2,270
Tensile strength	ASTM D4894	MPa	≥ 18
Elongation	ASTM D4894	%	≥ 150
Hardness	ASTM D2240	Shore D	≥ 62
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 D621	%	5 - 7
Coefficient of static friction	ASTM D1894		0,30 – 0,32
Coefficient of dynamic friction	ASTM D1894		0,28 – 0,30
Dielectric Strength	ASTM D149	KV/mm	20 – 25
Volume Resistivity	ASTM D257	Ohm cm	10 ¹⁵
Service Temperature		C°	-200 / +260

Properties:

- Improved compression resistance; good dielectric characteristics.

Main applications:

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

Date: 11/2009