

10% Ekonol Filled PTFE Tube

PB9010

General description

10% Ekonol filled PTFE tube has excellent wear resistance, Improved stability and at high temperatures. It also has excellent load-bearing capacity and good Corrosion resistance. Ekonol filled PTFE products will not wear soft metal surfaces. Additionally, 10% Ekonol filled PTFE blends resist self-wear better than other PTFE compositions, with good lubricity on molded parts. Ekonol® aromatic polyester fillers are a key component in extending the life of parts and components made from PTFE compounds.

Physical properties

Density	ASTM D792	g/cm3	2.18
Hardness	ASTM D2240	Shore D	61
Tensile strength	ASTM D4745	mpa	18.5
Elongation at break	ASTM D4745	%	260
Coefficient of friction (dynamic)	ASTM D1894	-	0.15
Water Absorption	ASTM D570	%	0
Compressive strength	ASTM D695	mpa	8.1
Max linear therm. expansion 30-150°C	ASTM D696	%	1.3

Temperature range: -200°C to 260°C

Typical Applications

10% Ekonol filled PTFE tube is used for molded or extruded parts, bearings, seals, rotors and related parts. compressor ring sets, it also works best under environmentally tough conditions where wear resistance, dimensional stability and corrosion resistance are critical

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