

Polyimide Filled PTFE Teflon Tube

PTFE - 9001 – Yellow

General description

Style 9001 polyimide filled PTFE teflon tube is made from PTFE using a modification of 10%, 15% or 20% Polyimide. Its contain diminished creep under load and excellent sliding and friction attributes. The material is ideally fitted to applications involving gentle mating products. Being the China main maker and distributor of filled PTFE compounds, polyimide filled PTFE compound we are able to create in tube, rod, sheet styles. As well as compared with normal PTFE compounds, the polyimide filled PTFE teflon tube working temp can be as much as 312 °C.

Physical properties

Density:	ASTM D792, DIN EN ISO 1183	g/cm ³	2.05
Hardness:	ASTM D2240, DIN ISO 7619-1	Shore D	≥ 62
Tensile strength:	ASTM D4745, DIN EN ISO 527	N/mm ²	≥ 17
Elongation at break:	ASTM D4745, DIN EN ISO 527	%	≥ 200
Coefficient of friction (dynamic):	ASTM D1894	-	0.14 – 0.25
Wear factor (K):	ASTM D3702	-	0.010 – 0.03
Compr. strength at 1% deformation:	ASTM D695	N/mm ²	≥ 8
Therm. Exp. Coeff. (lin.) 25-100°:	ASTM D696	10 ⁻⁵ /°C	9 – 13

Temperature range: - 260°C to 310°C

Main application

The polyimide filled PTFE teflon tube can be machined be all kinds of parts and seal used for many applications, such as piston rings in pumps, lip seals, bearings, compressors for dry gases, spring-reinforced dynamic seals, rider and piston rings in compressor. Other applications usage please contac us

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