

15% Fiberglass Filled PTFE Tube

GL7515

General description

15% Fiberglass Filled PTFE tube is virgin PTFE filled with glass fiber in grey white color. Due to the filling, the material is more resistant to cold flow and provides the necessary properties to be used as composite seals with energizer to bear high pressures. It has a similar chemical resistance like virgin PTFE and can be used in the same temperature range, which makes it a very universal sealing material. GL7515 glass filled ptfе rod should not be used for dynamic applications in water.

Physical properties

Density	ASTM D792	g/cm ³	2.2 – 2.3
Hardness	ASTM D2240	Shore D	60
Tensile strength	ASTM D4745	mpa	17
Elongation at break	ASTM D4745	%	200
Coefficient of friction (dynamic)	ASTM D1894	-	0.05
Water Absorption	ASTM D570	%	0.015
Compressive strength	ASTM D695	mpa	7.5
Max linear therm. expansion 30-150°C	ASTM D696	%	1.5

Temperature range: -200°C to 260°C

Application

Fiberglass filled ptfе tube can be used for chemical processing components, electrical components, gaskets, pump and valve components, seals, valve seats and etc.

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