

# Molded PTFE Tube

Code:KXT T980



## Description

Molded PTFE Tube OD: 30mm to 600mm Length: 10mm to 300mm/pc we have virgin molded ptfе tube, filled molded ptfе tube, fiber glass molded ptfе tube, graphite filled molded ptfе tube, bronze filled molded ptfе tube.



Item no.: KXT T980

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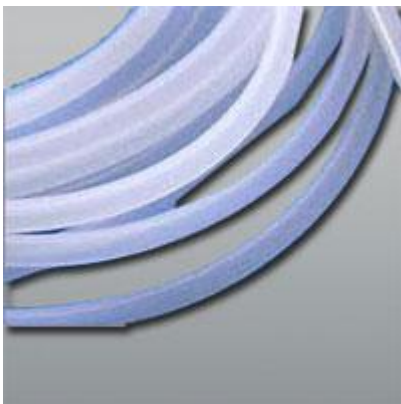
- Smooth inner surface
- Abrasion resistance
- High temperature resistant
- High dielectric strength
- High strength against pressure
- anti-friction
- anti-corrosive
- Flexible.
- Non-contaminating.

## PTFE Tubes

We are the leading supplier of the ptfе tubes. The all manufacturing process is design in such a way that minimizes the cost of the production. Our ptfе tubing is appreciated and favored by the customers for their performance.

It consists of all characteristics of ptfе, which is an ideal raw material among all plastics. It has internally smooth structure, which made it so strong and flexible. It consists anti friction, anti-brokage and anti-blockage characteristic. It's highly resistant to the corrosive chemicals. It also consists of good dielectric strength and good tensile strength.

### PTFE Tubing & SLEEVES



Standard Size: 3mm to 28mm

wall thickness: 0.75mm to 2mm

Grade: VIRGIN

Tem. Range: -200 Deg.C to + 250 Deg.C., good dielectric insulation properties.

Tensile Strength: between 2,500-4,000

Density: 2.13-2.24

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Ningbo Kaxite Sealing Materials Co., Ltd.

No.134,Huancheng North Road,Jiangbei District,  
Ningbo City,Zhejiang Province,China (Zip:315020)

Website:<http://www.seal-china.com> E-mail:[sales@seal-china.com](mailto:sales@seal-china.com)



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## Data Sheet

Property		ASTM test	Value
Physical properties	Specific gravity	D792	2.15
	Water absorption ( % )	D570 / 24 hrs 1/3" t	< 0.00
	Mold shrinkage ( cm / cm )		0.02 - 0.05
	Contact angle ( degree )	Angle to level	110
Thermal properties	Thermal conductivity (cal/sec/cm <sup>2</sup> , o /cm )	C177	6 x 10 <sup>-4</sup>
	Coefficient of liner thermal expansion(1/oC)	D696 / 23 - 60oC	10 x 10 <sup>-5</sup>
	Melting point (oC )		327
	Melt viscosity ( poise )		1011 - 1013 (340 -380oC)
	Maximum temperature for continuous use (oC / oF )		260 / 500
Mechanical properties	Tensile strength ( kgf / cm <sup>2</sup> )	D638 / 23oC	140 - 350
	Elongation ( % )	D638 / 23oC	200 - 400
	Compression strength ( kgf / cm <sup>2</sup> )	D695 / 1 % deformation, 25oC	50 - 60
	Tensile modulus ( kgf / cm <sup>2</sup> )	D638 / 23oC	4,000
	Flexural modulus ( kgf / cm <sup>2</sup> )	D790 / 23oC	5,000 - 6,000
	Impact strength ( ft - lb / in )	D256 / 23oC, Izod	3
	Hardness (Shore)	Durometer	D50 - D65
	Deformation under load ( % )	D621 / 100oC, 70 kgf / cm <sup>2</sup> , 24 hrs	5
		D621 / 25oC, 140 kgf / cm <sup>2</sup> , 24 hrs	7
	Static friction coefficient	Coated - steel surface	0.02
Electrical properties	Dielectric constant	D150 / 103Hz	2.1
		D150 / 106 Hz	2.1
	Dielectric dissipation factor	D150 / 103 Hz	< 1 x 10 <sup>-5</sup>
	Dielectric break down strength ( V / mil )	D149 / Short time, 1/8 in	480
	Volume resistivity( ohm - cm )	D257	> 10 <sup>18</sup>
	Chemical resistance		Excellent
	Weather ability		Excellent
	Combustibility ( % )	D2863 / Oxygen concentration index	> 95

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Website:<http://www.seal-china.com> E-mail:[sales@seal-china.com](mailto:sales@seal-china.com)