

TICOPTFE, China military designated suppliers, focus on manufacturing and supplying various of PTFE parts and products 11 years .

TICOPTFE tube is formed by extruded , pushing and moulding.

## Moulded tube

### Basic Information



PTFE moulded tube can be made into non-standard parts by mechanical working, also it can be used as non-sticking materials. It can be used at the temperature of  $-180^{\circ}\text{C}\sim+260^{\circ}\text{C}$ . It has the lowest frictional factor and the best anti-corrosive property among the known plastic materials.

Item name	Unit	Result
Density	$\text{g/cm}^3$	2.10-2.30
Tensile strength	MPa	18
Ultimate elongation	%	230
Operating temperature	$^{\circ}\text{C}$	$-180\sim+260$

### Specification

Specification (mm)	Wall thickness (mm)	Length (mm)
$\Phi 10\text{-}\Phi 150$	$\geq 5$	$\leq 180$
$\Phi 150\text{-}\Phi 350$	$\geq 5$	$\leq 350$
$\Phi 350\text{-}\Phi 800$	$\geq 8$	$\leq 300$

## Extruded tube

### Basic Information



Extruded pipe is manufactured by high pressure PTFE dispense resin mixed with additive, it is extruded and sintered.

Item name	Unit	Result
Density	g/cm <sup>3</sup>	2.10-2.30
Tensile strength	MPa	18
Ultimate elongation	%	230
Operating temperature	°C	-180~+260

## Specification

Specification (mm)	Outside diameter (mm)	Tolerance (mm)	Wall thickness (mm)	Tolerance (mm)	Length ≥ (mm)
24*2	24	±0.65	2	±0.30	400
25*2	25				
29*2	29				
29.6*2	29.6				
32*2	32	±0.80	2	±0.30	
32*3.5	32		3.5	±0.38	
40*2	40		2	±0.30	
40*4	40		4	±0.38	
50*4	50				
50*5	50	±0.80	5		
51*2	51	±0.95	2	±0.30	
52*4	52	±0.95	4		
64*2.5	64		2.5		
64*4.5	64		4.5		
81*2.5	81		2.5		
82*2.5	82		2.5		
82*3	82		3		
90*3	90	±1.10	3	±0.30	
90*5	90		5		
104*3	104		3		
129*3.5	129	±1.20	3.5	±0.35	
154*4	154		4		
204*4	204		4		

(other size is available as customized)

## Pushed tube

### Basic Information



PTFE pushing tubing uses corrosive medium fluid pipeline, insulation sheath and drive shaft.

Properties	Unit	Result
Apparent density	g/cm <sup>3</sup>	2.10~2.20
Tensile strength(min)	MPa	20
Ultimate elongation(min)	%	200
Residual Lubricant Content(max)	%	0.5
Dielectric strength(min)	KV/mm	10

### Specification

OD*ID (mm)	Tolerance (mm)	OD*ID (mm)	Tolerance (mm)
Φ 0.8*0.4	±0.08	Φ 12*10	±0.2
Φ 1*0.5	±0.08	Φ 14*12	±0.2
Φ 2*1	±0.08	Φ 16*14	±0.2
Φ 4*2	±0.1	Φ 18*16	±0.3
Φ 6*4	±0.1	Φ 20*18	±0.3
Φ 8*6	±0.1	Φ 22*20	±0.3
Φ 10*8	±0.1	Φ 24*21	±0.3

## Application



## Why Us

### Business advantage

1. Focus on production and supply of PTFE components and products
2. 11 years experience in PTFE production and processing
3. 26 years of technical experience precipitation
4. 6 years experience of export services
5. Military designated suppliers
6. Service experience in many industries and areas
7. Long-term stable cooperation with customers in 27 countries



### **Quality products:**

1. Competitive factory price
2. 100% Virgin material to ensure quality
3. Free samples available
4. SGS Standard Certification
5. CNC Custom processing
6. Safe package suit for Air shipment and sea shipment



### **Professional service:**

1. 6 years experience of export services
2. Service for 45 countries and more than 1500 clients
3. Flexible MOQ
4. Delivery on time
5. 7\*24 hours quick response
6. Promise change the product In case of quality problems