



PTC-1



PTC-2

TUBE CUTTERS

Features

- **Heat resistance**
Wide operation range (-196°C~+260°C)
- **Chemical resistance**
Mostly chemicals cannot be attacked
- **Non viscous**
No hygroscopic, No absorption
- **Electrical characteristic**
High insulation resistance, Puncture and dielectric characteristic
- **Particle free**
No elutriations of impurity such as metal ion

Applications

- **Chemical supply**
(semiconductor equipments)
- **Liquid supply**
(Chemical industry, Medical manufacturing)
- **High viscous Chemical supply**
(Food manufacturing)
- **For Insulation, High dielectric characteristic equipment**
(Electric equipment)

Metric size (mm)					
O.D. × I.D.	Thickness	Length	Tolerance		
			O.D.	Thickness	Length
3 × 2	0.5	3m or 20m	±0.10	±0.05	+2% -0
4 × 3	0.5			±0.06	
6 × 4	1.0		±0.12	±0.06	
8 × 6	1.0				
10 × 8	1.0				
12 × 10	1.0		±0.20	±0.10	
19 × 15.8	1.6				
25 × 22	1.5				

Inch size (mm)						
O.D. × I.D.	Thickness	Length	Tolerance			
			O.D.	Thickness	Length	
1/8" × 0.086 (3.18 × 2.18)	0.5	3m or 20m	±0.10	±0.05	+2% -0	
1/4" × 5/32" (6.35 × 3.95)	1.2			±0.10		
1/4" × 0.171" (6.35 × 4.35)	1.0			±0.06		
3/8" × 1/4" (9.53 × 6.33)	1.6		±0.12	±0.10		
3/8" × 0.296" (9.53 × 7.53)	1.0					±0.06
1/2" × 3/8" (12.7 × 9.5)	1.6					±0.10
3/4" × 5/8" (19 × 15.8)	1.6					
1" × 7/8" (25.4 × 22.2)	1.6	±0.20				
1-1/4" × 1-1/10" (31.8 × 28.0)	1.9	3m	±0.25	±0.15		
1-1/2" × 1-21/64" (38.1 × 33.7)	2.2					

• Other length is also available

PILAFLON® SUPER CLEAN TUBE USING NEW PFA

Features of Super Clean Tube using new PFA

- ① A grade of new PFA providing high inner smoothness
- ② High transparency
- ③ Through production in a clean room

General physical properties

Table 1 General physical properties of Super Clean PFA Tube

Physical properties		Unit	Value
Specific gravity		—	2.15
Tensile strength	23°C	MPa	32.6
	200°C		17.8
Yield point	23°C	MPa	15.4
	200°C		5.9
Elongation	23°C	%	358
	200°C		544
Tensile elastic modulus	23°C	MPa	409.2
	200°C		53.6
Flex life		cycle	1500000

Note : The above values for physical properties are not standard ones, but typical ones.

Inner smoothness

Table 2 Measurement result of surface roughness

		Unit	Super Clean	Conventional product A	Conventional product B
Mean roughness along central line	Ra	μm	0.03	0.25	0.18
Max. height	R max	μm	0.58	3.19	1.74

Fig. 1 Measurement result of surface roughness (Ra)

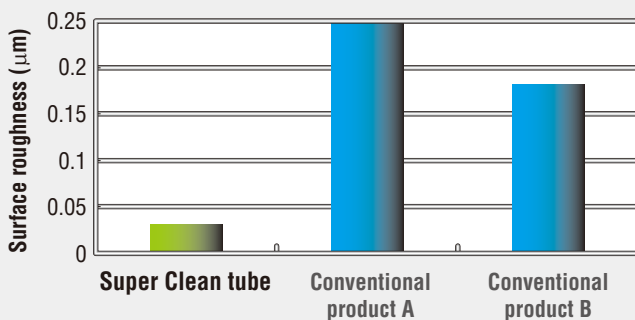
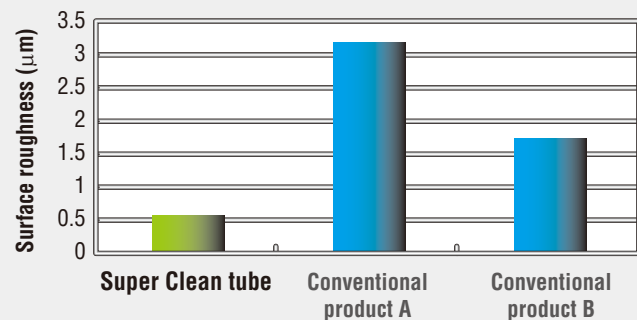


Fig. 2 Measurement result of surface roughness (Rmax)



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*Specifications and dimensions are subject to change without prior notice.

*The data on this catalogue are solely for your reference and are not to be construed as constituting a warranty.



CAUTION

- Follow the instructions, before installation and operation, for your safety.