

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 and Gas 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				
6 × 4	1.0				
8 × 6	1.0				
10 × 8	1.0				
12 × 10	1.0				
19 × 15.8	1.6				
25 × 22	1.5	±0.20	±0.10		

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				
1/4" × 0.171" (6.35 × 4.35)	1.0				
3/8" × 1/4" (9.53 × 6.33)	1.6				
3/8" × 0.296" (9.53 × 7.53)	1.0				
1/2" × 3/8" (12.7 × 9.5)	1.6				
3/4" × 5/8" (19 × 15.8)	1.6				
1" × 7/8" (25.4 × 22.2)	1.6	±0.20	±0.10		
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)

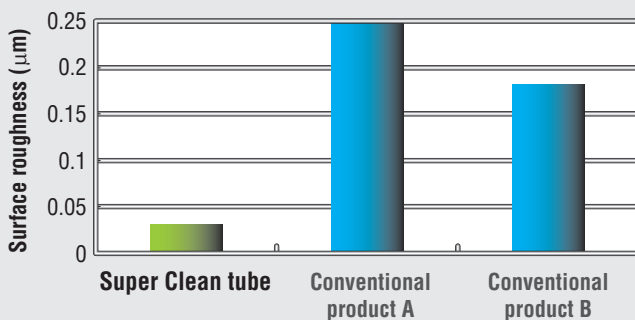
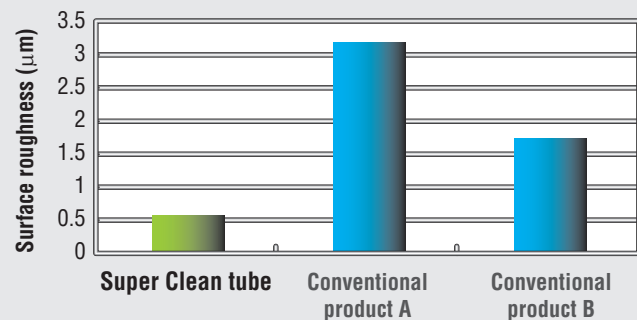


Fig. 2 Measurement result of surface roughness (Rmax)



## NIPPON PILLAR PACKING CO., LTD.

**Head Office :** 11-48, Nonakaminami 2 Chome, Yodogawa-ku, Osaka, 532-0022 Japan.  
Tel : 81-(0)6-6305-2821 Fax : 81-(0)6-6302-3300  
E-mail : info@pillar.co.jp

**Nippon Pillar Corporation of America :** 1562, Parkway Loop, Suite2C, Tustin, CA 92780, USA.  
Tel : 1-714-258-7741 Fax : 1-714-258-7760  
E-mail : sales@nipponpillar.com

**Nippon Pillar Singapore Pte, Ltd. :** No. 237 Pandan Loop, #03-01 Westech Building, Singapore 128424  
Tel : (65)6861-7138 Fax : (65)6862-9098  
E-mail : npillars@singnet.com.sg

**Taiwan Pillar Industry Co.,Ltd. :** 8F, No.45, SEC.1, MINQUAN E. RD., ZHONGSHAN DIST., TAIPEI CITY., 10452, TAIWAN.  
Tel : TAIPEI(886) 2-2587-1911 Fax : TAIPEI(886) 2-2585-3131  
URL:http://www.taiwanpillar.com.tw/ E-mail: sales@taiwanpillar.com.tw

**Shanghai Pillar Trading Co.,Ltd. :** Far East International Plaza A-1111, No.319, Xianxia Road, Changning District, Shanghai China. (200051)  
Tel : CHINA(86) 21-6208-7711 Fax : CHINA(86) 21-6235-0501  
URL:http://www.pillar-cn.com/ E-mail: sales@sh.pillar-cn.com  
111(old no.46),4th Main Road, Gandhi Nagar, Adayar, Chennai 600 020, India  
Tel : +91-44-3299-1422

Nippon Pillar Packing Co.,Ltd.  
India Liaison Office :

<http://www.pillar.co.jp/> e-mail : info@pillar.co.jp

\*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.