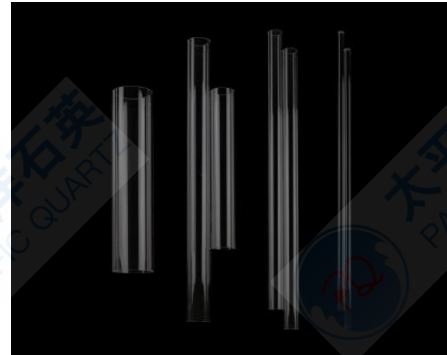




## Standard Synthetic quartz Tube

### I.Applications

Mainly applied for ozone production, oil destruction, disinfection and purification, ultra-pure water production (185 nm low pressure uv lamp, deep uv lamp).



### II.Product features

A continuous melting transparent quartz material, extremely high purity level (total impurity content less than 2ppm), extremely low bubble level, high uv transmittance, high short-wave uv radiation tolerance (185nm transmittance greater than 85%, 270nm transmittance greater than 90%).

### III. Product Information

PQ170, Standard Synthetic Quartz Tube

### IV. Typical Size

Unit:mm

OD Range	OD Tolerance	WT	WT Tolerance	Out of Round	Siding	Bow
$10 < \Phi \leq 20$	$\pm 0.2$	1 ~ 2.5	$\pm 15\%$	1.25%	12%	0.15%
$20 < \Phi \leq 30$	$\pm 0.25$	1.5 ~ 3.0	$\pm 15\%$	1.25%	12%	0.15%
$30 < \Phi \leq 40$	$\pm 0.35$	1.5 ~ 4.0	$\pm 15\%$	1.25%	12%	0.15%

### V. Physical & Chemical Properties

#### i. Mechanical & thermal properties



Density (20°Ckg/m <sup>3</sup> )	Thermal Index (200-300°C°C <sup>-1</sup> )	Softening (°C)	Annealing (°C)	Deformation (°C)
2.2*10 <sup>3</sup>	5.6*10 <sup>-7</sup>	1600	1100	1000

## ii. Impurity Value

Unit: ppm

Impurity	Na	K	Mg	Li	Ca	Fe	Al	Ti	Cu
Typical value	0.2	0.1	0.05	0.1	0.3	0.05	0.75	0.2	0.05

Remarks: Impurity elements can also be customized according to customer requirements

## iii. OH Content

Unit: ppm

Typical Value without Baking	After baking
140	<10
* OH can also be customized according to customer requirements	

## iv. Optical Properties

