

## TOQUARTZ Tech Specifications

# TOQUARTZ® Quartz Furnace Door Product Catalog

Integrated Engineering & Agile Production for Demanded Specifications

© 2025 TOQUARTZ® All Rights Reserved.

#### TOQUARTZ® QUARTZ FURNACE DOOR

TOQUARTZ® is a specialized manufacturer of high-purity quartz products based in China, serving global B2B clients in laboratory instrumentation, biomedical research, and environmental monitoring. With in-house engineering support and flexible production capabilities, we offer both standard and custom TOQUARTZ® Quartz Furnace Door with fast delivery and consistent quality.



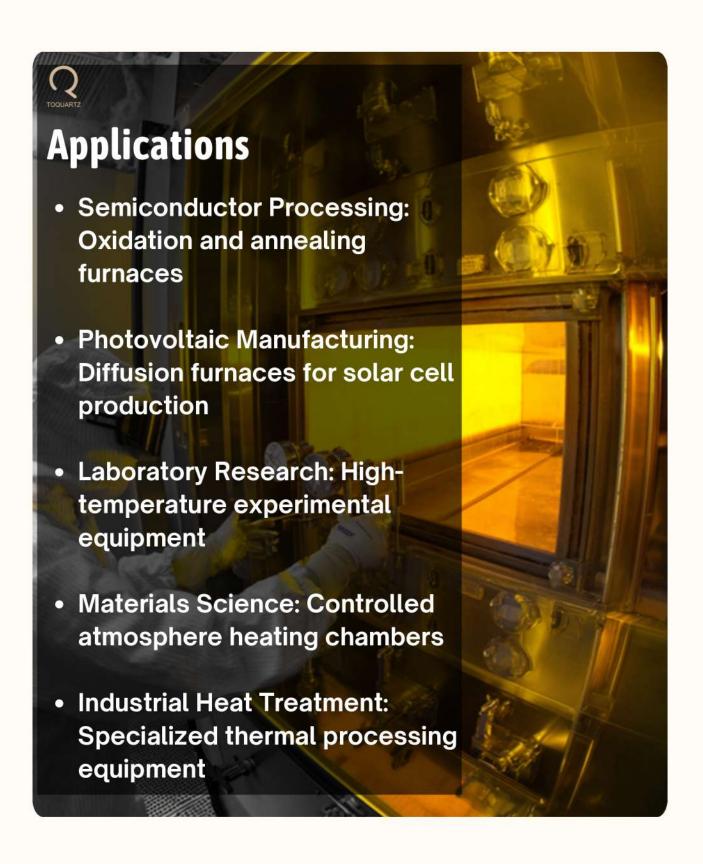
#### TOQUARTZ® QUARTZ FURNACE DOOR



#### **Key Features**

- High Temperature Resistance: Withstands operating temperatures up to 1200°C
- Thermal Shock Resistance: Excellent resistance to thermal cycling
- Chemical Resistance: Superior resistance to acids, alkalis, and fluorine gases
- **Low Thermal Expansion:** Coefficient of 5.5×10<sup>-7</sup>/K ensures dimensional stability
- **High Material Purity:** 99.99% SiO<sub>2</sub> minimizes contamination risks
- Customizable Design: Available in various standard sizes or fully customizable

#### TOQUARTZ® QUARTZ FURNACE DOOR





#### **TECHNICAL SPECIFICATIONS**

Property	Value	Unit
Material	High-purity quartz glass	É
SiO₂ Content	≥99.99	%
Maximum Working Temperature	1200	°C
Thermal Expansion Coefficient	5.5×10 <sup>-7</sup>	/K
Thermal Conductivity	1.3	W/(m·K)
Density	2.2	g/cm³
Tensile Strength	50	MPa
Dimensional Tolerance	±0.2	mm
Surface Finish	Fire polished	-
Chemical Resistance	Resistant to acids, alkalis, and fluorine gases	-



#### **CUSTOMIZATION OPTIONS**

## TOQUARTZ offers comprehensive custom manufacturing services:

- Custom dimensions and wall thickness
- Specialized sealing configurations
- Integration of viewports or access ports
- O-ring groove designs
- Multiple port configurations

Our engineering team works directly with customers to develop solutions for specific requirements, from prototyping through volume production.



### ABOUTTOQUARTZ®

TOQUARTZ® is a specialized manufacturer of high-quality quartz glass products for industrial, laboratory, and optical applications. Our factorydirect approach eliminates intermediaries, providing cost-effective solutions with responsive technical support. We welcome small batch orders and offer 24-hour shipping for standard items.

#### **Contact Information**

Email: info@toquartz.com Website: www.toquartz.com

TOQUARTZ® - Precision Quartz Solutions for Industry and Research

For technical specifications, custom requirements, or pricing information, please contact our sales team.