

TSC-T

Characteristics

- Highest purity synthetic quartz material
- lowest in class bubbles
- free of mineral inclusions

Applications

- Leading edge high-end semiconductor plasma etch applications

TSC-T is part of Heraeus' new synthetic material family: Neonyx. With Neonyx we address the increasing challenges and material requirements in the high-end semiconductor environment.

Focusing on the challenges and roadblock for next generation plasma etch tools, with TSC-T Heraeus is providing the best in class solution for today's and future leading-edge process developments. TSC-T is fully manufactured from synthetic raw material, guaranteeing highest levels of purity and consistency, along lowest in class contamination, inclusion and bubble content.

Bubbles and inclusions

Heraeus' TSC-T has been specially developed to ensure highest consistency, lowest in class bubble content and zero mineral inclusions.

Chemical Purity

Typical trace elements and OH content in quartz glass (in ppm)

Elements	Li	Na	K	Mg	Ca	Fe	Cu	Al	OH
TSC-4	0.04	0.2	0.08	< 0.01	0.7	0.1	< 0.01	8	170
TSC-T	< 0.01	< 0.01	< 0.01	< 0.01	< 0.02	< 0.01	< 0.01	< 0.01	150-200



Available Dimensions

- Heavy Wall Hollow Ingot
- Wall thickness up to 35mm
- Outer diameter up to 385mm
- Please contact us to discuss the availability of your required dimension

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