

TSC-S

Characteristics

- Ultra high purity synthetic quartz material
- Lowest in class bubbles
- Free of mineral inclusions

Applications

- Wet tank applications for next generation semiconductors

TSC-S 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.

Designed for the next generation of semiconductor wet tank technologies, TSC-S is fused from fully synthetic raw material to provide material with the highest purity and lowest level of contaminant risk. TSC-S is available in rectangular ingots that can be efficiently converted to plates with high material yield.

Bubbles and inclusions

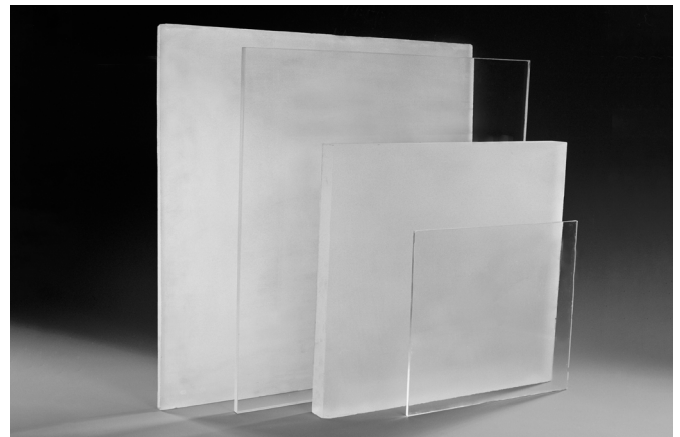
Heraeus' TSC-S has been specially developed to ensure highest consistency, lowest in class bubble content and zero mineral inclusions.

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-S	< 0.01	0.03	< 0.02	< 0.01	< 0.03	0.01	< 0.008	< 0.04	150

Note: TSC-S is a flame-fused, synthetic quartz glass and due consideration should be given when hot processing or annealing this material compared with natural quartz. Contact your local Heraeus representative for more details.



Available Dimensions

- Rectangular Ingots
- 600 mm x 500 mm x 150 mm MIN
- Other sizes available on request

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