Krystal Technology

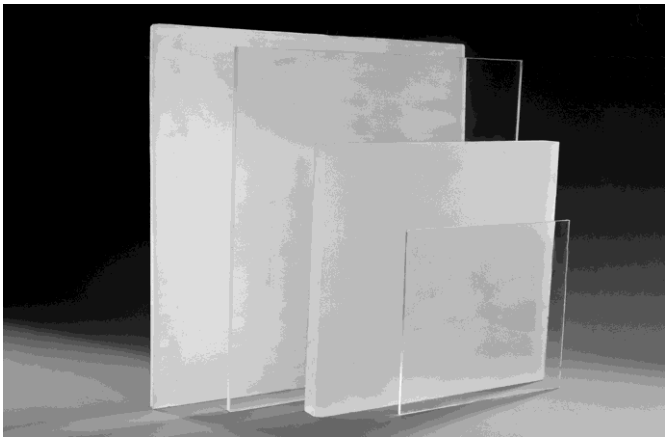
TSC-S

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 Krystal Technology's synthetic material family. The TSC-S synthetic fused silica is designed to address the increasing challenges and material requirements in the high-end semiconductor environment.

Developed 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

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

Available Dimensions

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

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.

UK

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