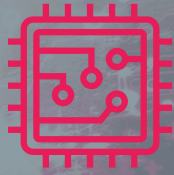


# Synthetic Clear Fused Material

## Highest Purity

Addressing today's material challenges.



## Technology Enabler

Enabling next generation node sizes.

## Consistency

Providing consistency for the future.



Heraeus

Conamic

# REDEFINE THE VIEW ON YOUR WORLD



HCA-Sem/06\_30.0.E/12.2021

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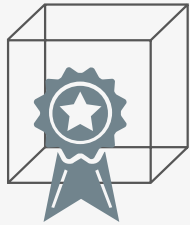
### CONTACT

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## Heraeus Neonyx HSQ-T

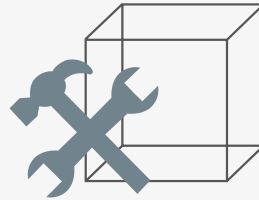
The Next Century of Material Performance

# Unique Material Properties



## Material expertise

We have over one century of experience in manufacturing and developing quartz materials. Heraeus is the ideal partner for facing and addressing arising challenges in future leading edge semiconductor processes.

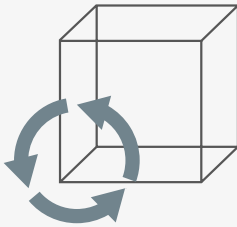


## For batch furnace applications

For next generation batch furnace tools, Heraeus HSQ-T is providing a solution for today's and future leading-edge semiconductor processes.

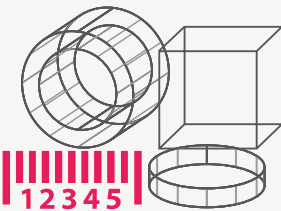
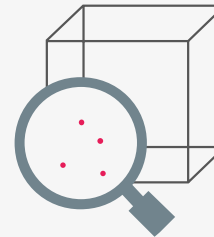
## Consistency

By taking the step from a natural raw material to a synthetic raw material, we eliminate the largest source of inconsistencies. Neonyx HSQ-T offers you the most stable and most consistent material in the market today.



## Synthetic purity

Neonyx HSQ-T offers the lowest level of impurities available today. Zero Alkalines and zero Aluminum are only two key figures for the purity of Neonyx HSQ-T.



## Full portfolio in shape and size

For best compatibility of all components of your batch furnace set, HSQ-T is offering every required component made from the same source to ensure 100% identical material properties.



Full Portfolio Product Range

# Key Technical Information

## Chemical purity\*

ppm	Li	Na	K	Mg	Ca	Fe	Cu	Al	OH
HSQ 330	0.5	0.2	0.3	<0.03	0.5	0.1	<0.01	15	<30
HSQ-T	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	150-200

\*typical values

## Providing stability for the future

- Fully controlled raw material supply
- No natural fluctuations
- High volume availability
- Independent from mine variations or depletion
- Stable, close to zero impurity levels

## Available geometries and dimensions

- **Large Diameter Tubes:** up to 470mm outer diameter
- **Small Diameter Tubes:** 2mm to 90mm outer diameter
- **Rods:** 2mm to 40mm outer diameter
- **Ingots (round):** up to 670mm outer diameter
- **Ingots (rectangular):** up to 600mm length

Geometries and dimensions beyond this list are available upon request. Please contact us to discuss your requirements.