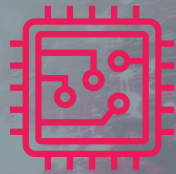


Synthetic Opaque Material

Highest Purity

Addressing today's material challenges.



Technology Enabler

Enabling next generation node sizes.



Consistency

Providing consistency for the future.



Heraeus

Conamic

REDEFINE THE HEAT OF YOUR WORLD



HCA-Sem/06_31.11/12.2021

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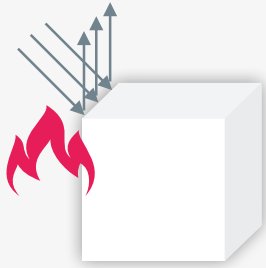
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neonyx@heraeus.com
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Heraeus Neonyx OM

The Next Generation Thermal Management

Unique Material Properties



Heat blocking properties

We improved the reflectivity of our new synthetic white opaque material to allow you even better thermal management in your processes.

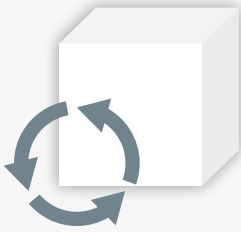


Clear fused quartz compatibility

Neonyx OM is 100% compatible to the hot working and cold machining of clear fused quartz and as required can be welded, fire polished or thermally reformed. In addition, if using Neonyx OM for demanding applications it can be CNC ground and optically polished to the highest precision.

Consistency

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



Synthetic purity

The total level of impurities is as low as <1ppm. This makes Neonyx OM the white opaque material with the highest purity available in the market at large volume capacity.



Superior surface finish

The unique physical properties of Heraeus Neonyx OM allow for a greatly improved surface finish after manufacturing and multiple refurbishment cycles, giving you an extended lifetime and reduced total cost of ownership.



Near net shape manufacturing

Key Technical Information

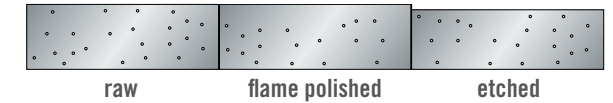
Chemical purity*

ppm	Li	Na	K	Mg	Ca	Fe	Cu	Al
OM 100	0.1	0.1	0.2	<0.03	0.4	0.1	<0.01	15
Neonyx OM	<0.01	<0.02	<0.02	<0.01	0.1	0.02	<0.01	<0.01

*typical values

Surface finish

Neonyx OM



Competitor material



Reflectivity

