TEMwindows
a division of SiMPore

'These devices perform well under the harsh conditions of our experimental procedures'
– Lawrence Berkeley National Lab User

SILICON NITRIDE TEMwindows

5 nm	1 square (25x25 µm) - SN100-A05Q00 9 squares (50x50 µm) - SN100-A05Q33A 2 slots (50x1500 µm)* - SN100-A05Q33L	**FOR THE HIGHEST RESOLUTION IMAGING**
10 nm	9 squares (100x100 µm) - SN100-A10Q33	**FOR HIGH RESOLUTION WITH INCREASED ROBUSTNESS**
20 nm	1 square (500x500 µm) - SN100-A20Q05 9 squares (100x100 µm) - SN100-A20Q33	**FOR EVERYDAY IMAGING**
50 nm	1 square (100x100 µm) - SN100-A50Q01 1 square (500x500 µm) - SN100-A50Q05 1 square (1000x1000 µm) - SN100-A50Q10 9 squares (100x100 µm) - SN100-A20Q33	**FOR THE MOST DEMANDING CONDITIONS**
Micro-porous	1 square (500x500 µm) - SN100-A50MP2Q05 1 square (500x500 µm) - SN100-A20MP2Q05	**FOR SUSPENSION OF MATERIALS & CRYO-EM**

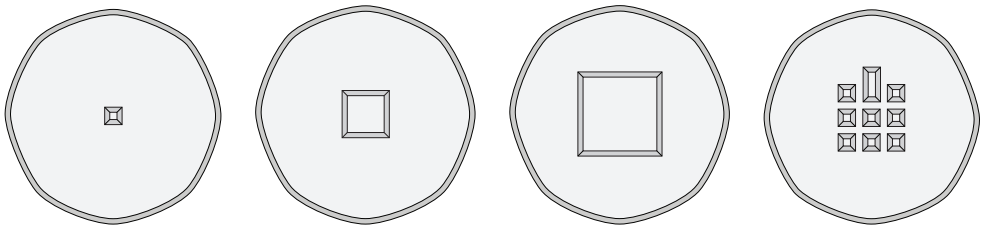
All window grids are sold in packages of 10
*Coated with 1 nm of ultrahigh purity carbon to minimize charging

Plasma Cleanable
Silicon nitride grids can be vigorously plasma cleaned to remove organic contamination

Field to Field Uniformity
Less than 0.5 nm variation in film thickness across an entire production lot, not just a single window grid

Tolerates Temps >1000°C
Supports use in environmental TEMs where dynamic processes are observed at high temperatures

Withstands Harsh Conditions
Provides an ideal balance of imaging resolution, chemical stability and mechanical strength



- Silicon frames are 100 µm thick
- Grids fit standard 3 mm holders and most double tilt holders
- Packaged in clear gel-boxes for simpler sample preparation
- **Satisfaction Guaranteed**

Silicon Nitride TEMwindows are produced by SiMPore – A world leader in the fabrication of ultrathin membranes and thin films.