

Datasheet: MakroPorP4.2M2.5-60

Macroporous silicon membrane (050139-W16)

Etching

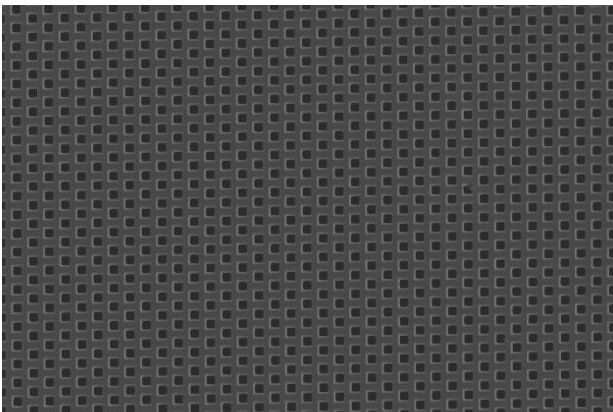
Pitch: 4.2 μm trigonal
Pore length: 56 μm
Pore diameter: 2.5 μm

Postprocessing

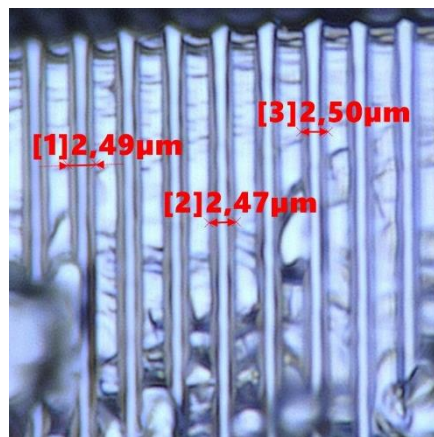
Membrane lift off
 Laserdicing

Images

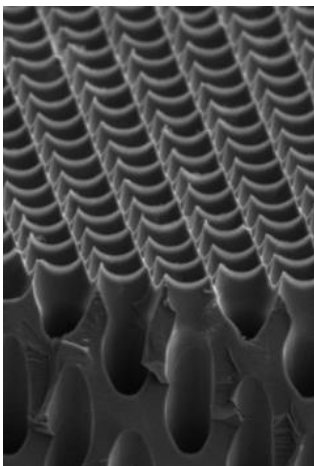
Front side (SEM)



side view (pore diameter)



lifted side (generic) (SEM)



Remarks

- Lifted backsides are sensitive to mechanical handling. Abrasion of silicon nanotips is visible as brown "scratches" on the surface but have minor effect on the underlying pores. **We suggest using vacuum tweezers on the front side.** Depending on the thickness, flat tips with small diameters are preferred instead of suction cup tips, to minimize mechanical Stress.

(If not specified separately standard tolerances of $\pm 10\%$ will apply)