nanomaterials.it

POROUS ANODIC ALUMINA (PAA)

Nanomaterials.it offers a wide range of templates and membranes of nanoporous anodic alumina (PAA). These products can be employed in scientific and industrial applications related to filtration, gas sensing, electrodeposition and others.
Templates and membranes of PAA are characterized by:

- Pure aluminium (> 99.99%) or aluminium alloys as starting materials
- Highly-ordered pore disposition
- Pore diameter and thickness with low standard deviation
- High porosity

Porous anodic alumina is supplied according to different forms:

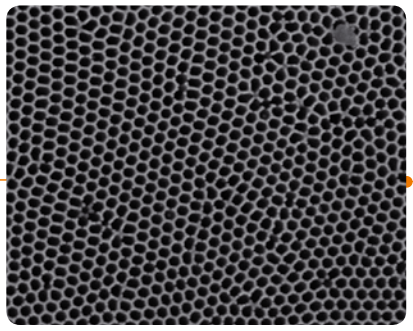
- Free standing
- Supported on aluminium or other substrates (e.g. Si or ITO)
- Free standing or supported on Al with metal nanowires
- Pore bottom closed or opened
- Pore bottom opened and metalized
- Thermally treated, functionalized

Our templates and membranes of PAA are available in several sizes:

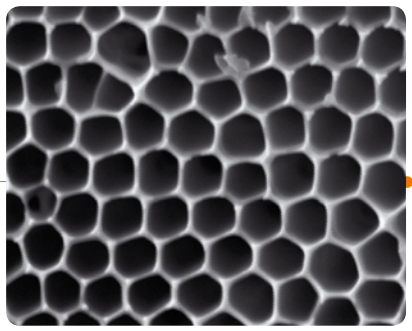
Porous Anodic Alumina (PAA): Templates and Membranes

• Main diameter	13mm	25mm	42mm
• Pore diameter	35nm (S.D. 15%) 90nm (S.D. 10%) 200nm (S.D. 20%)	35nm (S.D. 15%) 90nm (S.D. 10%) 200nm (S.D. 20%)	35nm (S.D. 15%) 90nm (S.D. 10%) 200nm (S.D. 20%)
• Pore lenght	25µm ± 5µm 40µm ± 5µm	25µm ± 5µm 40µm ± 5µm	25µm ± 5µm 40µm ± 5µm
• Porosity %	10-50	10-50	10-50
• Packaging	10pc. per box	10pc. per box	10pc. per box

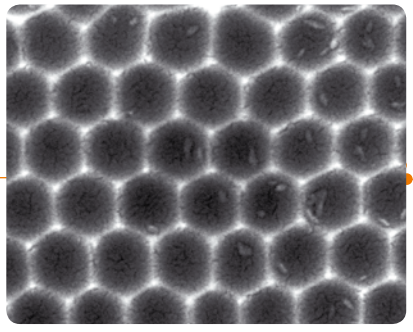
PAA template (average pore diameter 90nm)



PAA template: detail



PAA template: bottom



PAA template: cross section