nanomaterials.it

POROUS ANODIC TITANIA (PAT)

Nanomaterials.it offers a wide range of templates of porous anodic titania (PAT). These products can be employed in scientific and industrial applications dealing with the fields of: photocatalysis, solar cells, biomedicine and others.
The templates of PAT are characterized by:

- Pure titanium (>99.9%) or titanium alloys as starting materials
- Low-ordered pore arrangement
- High porosity

Porous anodic titania is supplied according to different forms:

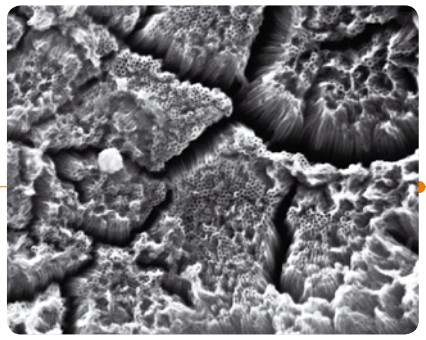
- Supported on Ti substrate or other substrates (e.g. Si, ITO)
- Thermally treated, functionalized

Our templates of PAT are available in several sizes:

Porous Anodic Titania (PAT): Templates

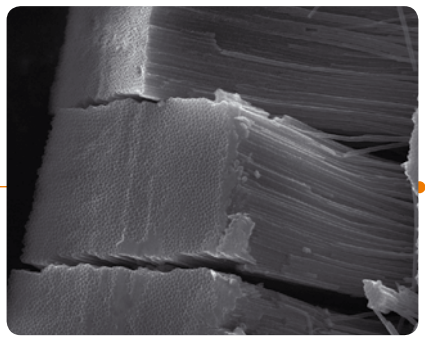
• Main diameter	13mm	25mm	42mm
• Pore diameter	50nm (S.D. 20%) 100nm (S.D. 10%)	50nm (S.D. 20%) 100nm (S.D. 10%)	50nm (S.D. 20%) 100nm (S.D. 10%)
• Pore lenght	500nm - 700nm 1,5µm-3µm	500nm - 700nm 1,5µm-3µm	500nm - 700nm 1,5µm-3µm
• Porosity %	10-40	10-40	10-40
• Packaging	On demand	On demand	On demand

PAT template (average pore diameter 50nm)



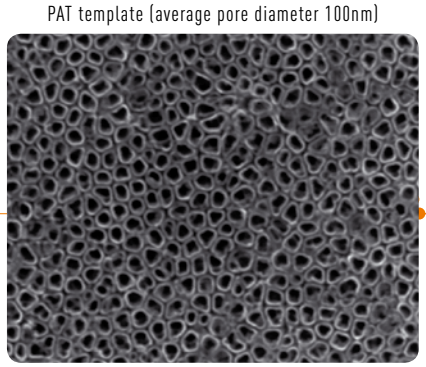
100nm

PAT template: cross section



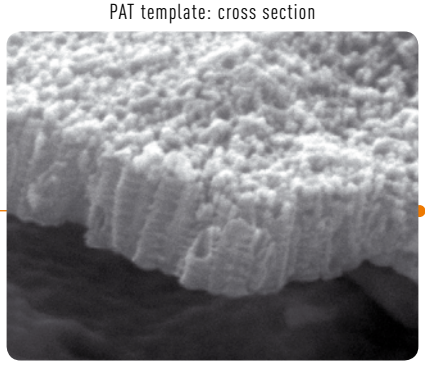
1µm

PAT template (average pore diameter 100nm)



100nm

PAT template: cross section



1µm