

Are you using the right material?

Sintered Porous Alumina Filters for Corrosion Resistance

Enhance Operational Effectiveness

- ✓ Extend maintenance cycles with reliable material
- ✓ Proper pore size / design

Reduce operating costs

Maximize production

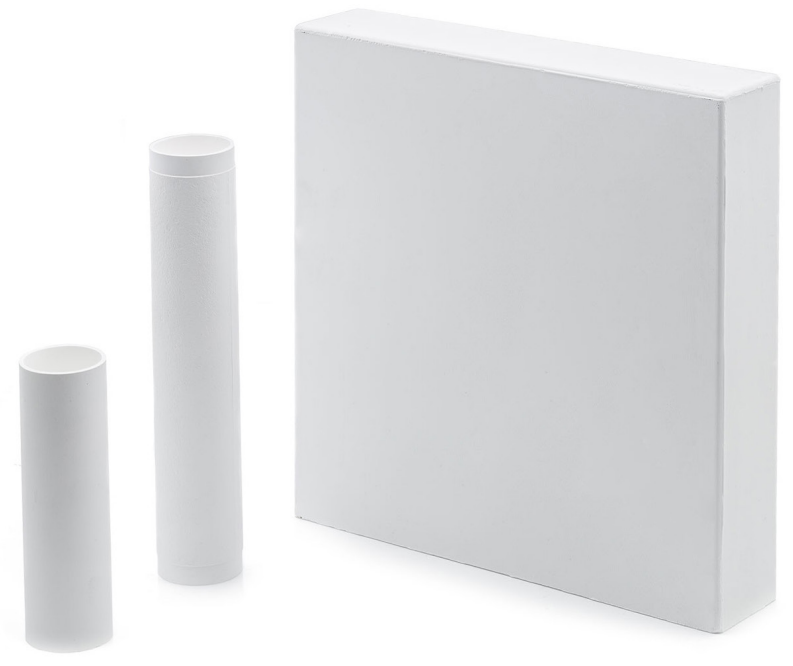
Improved Supply Chain

- ✓ Responsive, competent service
- ✓ Lower total costs

Sintered porous alumina filters offer corrosion resistance and stability in applications in mining, chemical processing and health care. Refractron's reliable formulation can be used to form tubes and shapes up to 24" long with a wall thickness from .13-.38". 100% inspection is used to verify important dimensions and on-site labs offer the ability to verify critical properties like pore size.

Refractron is a privately owned company that has been making porous ceramics for severe applications at its 95K sf facility near Rochester NY USA since 1984. Please contact us for an engineering assessment to determine if porous sintered alumina products are a good fit for your application.

Property	Test Method	SAF 0.3
Color		White
Chemistry (%)	ICP & EDS	
Al ₂ O ₃		99.56
Na ₂ O		0.38
Fe ₂ O ₃		0.02
SiO ₂		0.02
MgO		0.01
CaO		0.01
Density (g/cc)	ASTM C-373	2.55
MOR (MPa) RT	ASTM C-583	20
Porosity (%)	ASTM C-373	31
Mean Pore Diameter (µm)		0.2
Max Pore Size (µm)		0.3
Maximum Material Use Limit (°C)		1300
Resistance to Acids	Excellent to all acids except Hydrofluoric (HF) & phosphoric (H3PO4)	
Resistance to Bases	Excellent to all bases except NaOH, KOH, and LiOH. Has limited resistance to those ≥ pH12	
Organic Solvents	Excellent resistance	



Reliable Quality and Service since 1984

