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Kellundite® porous ceramics are ceramically bonded alumina grains formulated for high strength, controlled pore size, chemical resistance, permeability and uniformity. Product shapes available are plates, discs, tubes, domes, rods, assemblies, and to customer specifications. Typical applications are filtration, diffusion, fluidizing, venting, dispersion, wicking, and conveying. Please contact our experts to discuss designs, materials, or application.

Material	Kellundite® / Ceramically Bonded Alumina									
	FAO-10	FAO-20	FAO-30	FAO-40	FAO-50	FAO-70	FAO-100	FAO-160	FAO-700	FAO-1200
Grade										
Nominal Particle Retention in Air (μ)	10 μ	20 μ	30 μ	40 μ	50 μ	70 μ	100 μ	160 μ	700 μ	1200 μ
Approximate Particle Retention in Air (μ)	1 μ	2 μ	3 μ	4 μ	5 μ	7 μ	10 μ	20 μ	100 μ	200 μ
Maximum Pore Diameter (μ)	60 μ	80 μ	100 μ	120 μ	140 μ	170 μ	210 μ	300 μ	800 μ	1300 μ
Permeability @ 2" Water (12" x 12" x 1")	2-3 cfm	3-5 cfm	5-8 cfm	8-12 cfm	12-15 cfm	20-25 cfm	35-45 cfm	70-80 cfm	120-140 cfm	170-190 cfm
Porosity	30-40%	30-40%	30-40%	30-40%	30-40%	30-40%	30-40%	30-40%	30-40%	30-40%
Maximum Use Temperature in air ° F	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Flexural Strength (M.O.R) (psi)	6000	5500	5000	4500	4000	3500	3000	2500	1500	1000
Bulk Density (g/cc)	2.1-2.3	2.1-2.3	2.1-2.3	2.1-2.3	2.1-2.3	2.1-2.3	2.1-2.3	2.1-2.3	2.1-2.3	2.1-2.3

This Data is typical and is not intended for use as specification requirements