

Sunrock HPA Material

SUNROCK HPA is a high performance alumina and mullite based kiln furniture material (no clay) developed for use in the most demanding industrial applications. SUNROCK HPA is chemically stable in a variety of atmospheres and has great strength at high temperatures due to the high purity mullite bond. Developed for both thermal shock and high temperature sag resistance, SUNROCK HPA can handle your severe process applications.

SUNROCK HPA DATA SHEET		
Properties		Product
		SUNROCK HPA
Bulk density (g/cc)		2.80
Apparent Porosity (%)		15
Coefficient of Thermal Expansion ($\times 10^{-6}/^{\circ}\text{C}$)		7.0
Max. Operating temperature ($^{\circ}\text{C}$)		1775
Modulus of rupture (MPa)	20 $^{\circ}\text{C}$	13.8
	SiO ₂	14.90
Chemical Composition (%)	Al ₂ O ₃	84.96
	Fe ₂ O ₃	0.01
	other	0.13

These are typical properties only and are not to be used as specifications nor as any warranty of performance.

Other products available:

- HPA-CG: Coarse grain formulation for pressed pusher plates
- HPA-95: 95% alumina for pressed kiln furniture
- HPA-99: 99.55% alumina for pressed kiln furniture in certain firing atmosphere applications
- Toll firings (gas and electric kilns)



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