

## Sunrock HPA-99 High Alumina Material

SUNROCK HPA-99 is a high-performance alumina based kiln furniture material developed for use in the most demanding industrial applications. SUNROCK HPA-99 is chemically stable in a variety of atmospheres and has great strength at high temperatures. Developed for high temperature sag resistance and chemical inertness, SUNROCK HPA-99 can handle your severe process applications.

SUNROCK HPA-99 DATA SHEET		
Properties		Product
		SUNROCK HPA-99
Bulk density (g/cc)		3.12
Apparent Porosity (%)		15
Coefficient of Thermal Expansion ( $\times 10^{-6}/^{\circ}\text{C}$ )		8.4
Max. Operating temperature ( $^{\circ}\text{C}$ )		1870
Modulus of rupture (MPa)	20 $^{\circ}\text{C}$	47.0
Chemical Composition (%)	SiO <sub>2</sub>	0.08
	Al <sub>2</sub> O <sub>3</sub>	99.55
	Fe <sub>2</sub> O <sub>3</sub>	0.02
	other	0.35

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

### *Other products available:*

- HPA: General duty 90% alumina class material
- HPA-CG: Pusher plate version of the HPA composition
- HPA-95: 95% alumina material
- Toll firings (gas and electric kilns)



### Sunrock Ceramics Company

2625 S 21<sup>st</sup> Avenue, Broadview, IL 60155

E-mail : [dthurman@sunrockceramics.com](mailto:dthurman@sunrockceramics.com)

Phone: 708.344.7600

Fax: 708.344.7636

[www.SunrockCeramics.com](http://www.SunrockCeramics.com)