

MK20 25 cell 300mm Material Specification Sheet

Material Composition					
	Range in %		Range in %		Range in %
Alumina Oxide	28-38	Titanium Oxide	0-1	Sodium Oxide	0-0.5
Silicon Dioxide	45-55	Calcium Oxide	0-1	Potassium Oxide	0.5-2
Iron Oxide	0.5-1.5	Magnesium Oxide	8-10		

Physical and Chemical Characteristics						Resulting characteristic parameters		
	Nominal	Range		Range	unit		Nominal	unit
Cell Size	4.9 mm	±10%	Porosity ¹	7-12%		Active Surface	580	m ² /m ³
Wall Thickness	0.9 mm	±10%	Thermal Expansion ²	2-3	x10 ⁻⁶ °K ⁻¹	Specific Heat ³	810	J/kgK
Open Frontal Area	68%	±10%	Solid Density	1,9-2,1	g/cm ³			

Dimensions					
	Nominal	Range		Nominal	Range
Height	300 mm	±2 mm	7 block stack width	1057 mm	±2%
Width	150 mm	±3 mm	weight per volume	0.687 g/cm ³	±12%
Length	150 mm	±3 mm	# of channels	625	

Notes

- 1) Method Used - water absorption
- 2) technical CTE at 800°C
- 3) 100 degrees C