

MK20 60 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	2.0 mm	±10%	Porosity ¹	7-12%		Active Surface	1310	m ² /m ³
Wall Thickness	0.45 mm	±10%	Thermal Expansion ²	2-3	x10 ⁻⁶ 1/K	Specific Heat ³	810	J/kgK
Open Frontal Area	64%	±10%	Solid Density	1,9-2,1	g/cm ³			

Dimensions					
	Nominal	Range		Nominal	Range
Height	150 mm	±3 mm	7 block stack width	1057 mm	±2%
Width	150 mm	±3 mm	weight per volume	0.756 g/cm ³	±12%
Length	150 mm	±3 mm	# of channels	3,600	

Notes

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