

CR20 40 cell 300mm Material Specification Sheet

Material Composition					
	Range in %		Range in %		Range in %
Alumina Oxide	55-65	Titanium Oxide	0-1	Sodium Oxide	0-0,5
Silicon Dioxide	24-28	Calcium Oxide	0,9-1,7	Potassium Oxide	1-1,6
Iron Oxide	0,5-1,5	Magnesium Oxide	0,7-1,3	Cer Oxide	6,5-9

Physical and Chemical Characteristics						Resulting characteristic parameters		
	Nominal	Range		Range	unit		Nominal	unit
Cell Size	2.9 mm	±10%	Porosity ¹	3-9%		Active Surface	880	m ² /m ³
Wall Thickness	0.7 mm	±10%	Thermal Expansion ²	6,8-8,0	x10 ⁻⁶ °K ⁻¹	Specific Heat ³	880	J/kgK
Open Frontal Area	63%	±10%	Solid Density	2,4-2,8	g/cm ³			

Dimensions					
	Nominal	Range		Nominal	Range
Height	300 mm	±3 mm	7 block stack width	1057	±2%
Width	150 mm	±3 mm	weight	.962 g/cm ³	±15%
Length	150 mm	±3 mm	# of channels	1600	

Notes

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