



Pre - Shaped Products Data sheet

Standard Data	Unit	ACC 50	ACC 60	ACC 80	ACC 94
Max. Service Temp. (ISO 8895)	°C	1400	1500	1600	1800
R.U.L (DIN 51053)	°C	1210	1280	1350	1600
Bulk Density (ASTM C134 – 95)	g/cm ³	2.15 – 2.35	2.3 – 2.7	2.5-2.8	2.8-3.3
Apparent Porosity (ASTM C20 – 92)	%	10– 20	15 – 20	15-22	5-15
C.C.S (ASTM C133 – 97)	kg/cm ²	350-600	≥ 350	300-700	>400
Thermal Linear Expansion (ASTM C832 – 89)	%	0.58	0.7	0.7	0.7
Permanent Linear Change (ASTM C210 – 95)	%	<1.25	< 1.25	< 1.5	< 1.5
Modules of Rupture (ASTM C583 – 80)	kg/cm ²	>105	> 110	> 150	> 200
Thermal Conductivity (ASTM C182 – 88)					
500 °C	W/mK	1.6	>1.6	1.75	1.8
800 °C	W/mK	1.8	>1.8	>2	>2
1000 °C	W/mK	2	>2	>2	>2.15
Chemical Analysis (ISO 12677)					
Al ₂ O ₃	%	>50	>57	>78	>92
SiO ₂	%	<40	<35	<15	<3
Fe ₂ O ₃	%	<2	<2.5	<1.8	<1
Alkalies	%	<2.5	<2	<1	<2
CaO	%	<12	<10	<3	<2

