

Product		CA-18U	CA-17	CA-16KD	CA-16K	CA-16	CA-16S	CA-15	CA-15S	CA-14	CA-14S	CA-13S	CA-13SV	CA-13	CA-13H	CA-13F	CA-16T	CA-13ST	CA-13T	HC-CBN	HC-CBK	HC-AL
Max service temperature(°C)		1850	1750	1650	1600	1550	1500	1550	1500	1500	1450	1450	1450	1400	1400	1400	1550	1450	1400	1550	1550	1600
Installation requirement(t/m ³)		3.05	2.95	2.35	2.30	2.05	2.15	2.05	2.05	2.05	2.05	2.05	2.00	1.90	1.90	1.70	1.95	1.90	1.75	2.25	2.50	2.50
Water additions(wt%)		6~7	7~8	9~11	10~12	13~15	13~15	12~14	12~14	13~15	13~15	13~15	13~15	14~16	14~16	20~23	14~16	17~20	20~23	11~13	11~13	10~12
Chemical composition (%)	SiO ₂	0.1	0.1	33	22	30	29	37	34	38	36	42	43	55	53	55	32	43	53	30	6	5
	Al ₂ O ₃	98	96	60	69	64	62	55	55	52	53	48	47	35	36	35	61	47	36	60	82	85
Bulk density	110°C × 24hrs.	3.10	3.00	2.40	2.40	2.15	2.25	2.15	2.15	2.15	2.15	2.15	2.10	2.00	2.00	1.80	2.05	2.00	1.85	2.35	2.60	2.60
	()Temp.x 3hrs.	3.10 (1600)	2.95 (1600)	2.25 (1400)	2.35 (1400)	2.10 (1400)	2.20 (1400)	2.10 (1400)	2.05 (1400)	2.00 (1400)	2.00 (1400)	2.00 (1400)	2.05 (1200)	2.00 (1200)	1.90 (1200)	1.90 (1200)	1.75 (1200)	2.08 (1400)	1.90 (1200)	1.75 (1200)	2.15 (1400)	2.47 (1200)
Cold crushing strength (MPa) Bending strength (MPa)	110°C × 24hrs.	20 (5)	35 (10)	60 (10)	50 (8)	15 (5)	30 (7)	15 (4)	30 (6)	30 (7)	40 (8)	50 (8)	35 (6)	18 (4)	20 (6)	13 (2)	10 (3)	25 (6)	15 (4)	60 (12)	60 (5)	45 (8)
	900°C × 3hrs.	30 (5)	18 (5)	30 (5)	28 (5)	10 (3)	16 (3)	11 (2)	15 (3)	15 (3)	18 (3)	30 (5)	20 (3)	12 (2)	15 (2)	10 (2)	5 (1)	20 (3)	10 (2)	25 (7)	20 (4)	33 (6)
	1200°C × 3hrs.	70 (20)	30 (7)	30 (4)	30 (4)	12 (3)	17 (4)	10 (2)	18 (4)	15 (3)	18 (4)	25 (4)	20 (3)	10 (1)	10 (1)	10 (2)	8 (2)	20 (3)	10 (2)	30 (9)	35 (9)	25 (5)
	1400°C × 3hrs.	80 (20)	70 (15)	35 (8)	35 (8)	25 (7)	30 (8)	35 (10)	30 (9)	30 (7)	30 (7)						20 (7)			30 (12)		
Permanent linear change (%)	()Temp.x 3hrs.	-0.1 (1600)	-0.2 (1600)	-0.1 (1400)	-0.5 (1400)	-0.5 (1400)	-0.3 (1400)	-0.6 (1400)	0.5 (1400)	0.5 (1400)	0.5 (1400)	-0.2 (1200)	-0.2 (1200)	0.4 (1200)	0.4 (1200)	-0.1 (1200)	-0.6 (1400)	-0.4 (1200)	-0.1 (1200)	-0.3 (1200)	-0.2 (1200)	-0.2 (1200)
Thermal expansion (%)	at 1000°C	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0.6	0.6	0.4
Thermal conductivity (W/mK)	at 500°C	3.8	3.8	1.5	1.6	1.3	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.2	1.0	1.3	0.90	0.85	1.5	1.7	1.7
	at 1000°C	3.2	3.2	1.4	1.5	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.1	1.3	1.1	1.4	1.0	0.89	1.6	1.6	1.6
Standard package quantity(kg)		25	25	25	25	25	25	25	25	25	25	25	25	25	25	20	25	25	25	25	25	25
Features		Very high heat resistance	Very high heat resistance	High strength	High strength	High heat resistance	High strength	High heat resistance	High strength	General purpose	High strength	High strength	High strength	General purpose	High strength	Fine grain	Trowel application	High strength Trowel application	Trowel application	Abrasion resistant	Trowel application	Aluminum corrosion resistance
Typical applications		High-temperature kilns Special kilns	High-temperature kilns Special kilns	High-temperature kilns Burner tiles	Alumium melting furnace, Aluminum holding furnace Incinerator	High-temperature kilns	High-temperature kilns	Types of kilns	Types of kilns	Types of kilns	Types of kilns	Incinerator Types of kilns	Incinerator Types of kilns	Types of kilns	Types of kilns	Types of kilns	High-temperature kilns	Incinerator Types of kilns	Types of kilns	Zinc melting furanace	Zinc melting furanace	Alumium melting furnace, Aluminum holding furnace

※The data shown here is a representative value, and no hallmark value.