



شرکت معدنی و صنعتی سوراوجین عقیق
Suravajh Aghigh Mining & Industrial Co

Fire clay and High Alumina Castable Refractories

Product	Chemical Composition (%)				Main Raw Material Basis	Max Service Temperature (° C)	Water required (%)	Grain Size (mm)	Bulk Density (gr/cm ³) 110 ° C	C.C.S (Kg/cm ²)	
	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO						110 °C	-
SURA CAST 45	40 - 45	33 - 38	5-7	8 - 10	Fire clay	1250	12 - 14	0 - 5	2.1 - 2.25	300 - 500	200 - 400 (1200 °C)
SURA CAST 45-LI	44 - 48	35 - 39	2 - 3	7 - 9	Fire clay	1300	10 - 12	0 - 5	2.1 - 2.3	350 - 550	300 - 500 (1200°C)
SURA CAST 50-I	48 - 53	33 - 38	1.5 - 2.5	3.5 - 4.5	High duty Fire Clay	1350	8 - 10	0 - 5	2.1 - 2.3	400 - 600	400 - 600 (1200 °C)
SURA CAST 50-II	48 - 51	28 - 32	2 - 3	7 - 9	High duty Fire Clay	1350	8 - 10	0 - 5	2.1 - 2.3	350 - 550	300 - 500 (1200 °C)
SURA CAST H	47 - 51	40 - 45	1.5 - 2.5	3 - 4	High duty Fire Clay	1420	8 - 10	0 - 5	2.1 - 2.3	400 - 600	400 - 600 (1300 °C)
SURA CAST 55-I	53 - 58	28 - 33	1.5 - 2.5	3.5 - 4.5	Bauxite	1400	8 - 10	0 - 5	2.2 - 2.35	400 - 600	400 - 600 (1300 °C)
SURA CAST 55-II	55 - 60	24 - 28	2 - 3	7 - 9	Bauxite	1400	10 - 12	0 - 5	2.2 - 2.35	350 - 550	300 - 500 (1300 °C)
SURA CAST 60	58 - 62	20 - 24	1.5 - 2.5	3.5 - 4.5	Bauxite	1450	8.5 - 10.5	0 - 5	2.2 - 2.35	500 - 700	500 - 700 (1300 °C)
SURA CAST 65	63 - 67	16 - 20	1.5 - 2.5	3.5 - 4.5	Rotary Bauxite	1500	8.5 - 10.5	0 - 5	2.3 - 2.45	500 - 700	500 - 700 (1350 °C)
SURA CAST 70	68 - 73	14 - 18	1.5 - 2.5	3.5 - 4.5	Rotary Bauxite	1550	8.5 - 10.5	0 - 5	2.4 - 2.55	500 - 700	500 - 700 (1350 °C)
SURA CAST 80	78 - 82	8 - 12	1.5 - 2.5	3.5 - 4.5	Rotary Bauxite	1600	8 - 10	0 - 5	2.5 - 2.7	500 - 700	500 - 700 (1400 °C)
SURA CAST 85	82 - 85	3 - 7	1.5 - 2.5	3.5 - 4.5	Rotary Bauxite	1650	8 - 10	0 - 5	2.6 - 2.8	500 - 700	500 - 700 (1400 °C)
SURA CAST 90	89 - 91	4 - 5	0.2	3 - 4	Tabular Alumina	1700	7 - 9	0 - 5	2.65 - 2.8	500 - 700	550 - 700 (1500 °C)
SURA CAST 95	93 - 95	0.2	0.1	3 - 4	Tabular Alumina	1800	7 - 9	0 - 5	2.75 - 2.85	500 - 700	550 - 800 (1500 °C)
Standards							ASTM C 1445		ASTM C20	ASTM C133	

The technical data provided represent average reference values established by ASTM test procedures. The values are determined in a laboratory and serve to give general information. Values are liable to natural deviations and are not to be cited as guaranteed properties or guaranteed values.

دارنده گواهی نامه : ISO/IEC 17025: 2017

SHIPPING DATA: shipped dry in multi – wall moisture –Plastic Bag of 25 Kg. Net Weight.