

Regular Cement refractories Castables

جرم های ریختنی پر سیمان نوز

Products	Chemical Analysis (%wt)				Main Component	Application Method	Refractoriness (°C)	Required Water (%)	Grain Size (mm)	Bulk Density At 110 °C (gr/cm ³)	C.C.S (Kg/cm ²)	
	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO							110 °C	1100 °C
SURA CAST 45 RC	44±2	38±2	5.5±1	9±1	Chamotte	Casting, Vibrating	1450	13 – 15	0 – 5	2.2±0.1	250 – 450	200 – 400
SURA CAST 45 RC - LI	45±2	38±2	2±0.5	10±1	Chamotte	Casting, Vibrating	1450	12 – 14	0 – 5	2.2±0.1	350 – 550	300 – 500
SURA CAST 50 RC - I	50±2	40±2	1.5±0.5	4±0.5	Chamotte	Casting, Vibrating	1550	8 – 10	0 – 5	2.3±0.1	400 – 600	400 – 600
SURA CAST 50 RC - II	50±2	30±2	2.5±0.5	8±1	Chamotte	Casting, Vibrating	1500	9 – 11	0 – 5	2.3±0.1	300 – 500	250 – 450
SURA CAST H	50±2	42±2	2±0.5	3.5±0.5	Chamotte	Casting, Vibrating	1550	8 – 10	0 – 5	2.3±0.1	500 – 700	300 – 500
SURA CAST 55 RC - I	55±2	30±2	2±0.5	4.5±0.5	Bauxite, Chamotte	Casting, Vibrating	1550	8 – 10	0 – 5	2.4±0.1	400 – 600	350 – 550
SURA CAST 55 RC - II	55±2	26±2	2.5±0.5	8±1	Bauxite, Chamotte	Casting, Vibrating	1550	10 – 12	0 – 5	2.4±0.1	350 – 550	300 – 500
SURA CAST 60 RC	60±2	29±2	2±0.5	4±0.5	Bauxite, Chamotte	Casting, Vibrating	1600	8.5 – 10.5	0 – 5	2.5±0.1	450 – 650	400 – 600
SURA CAST 65 RC	65±2	27±2	1.5±0.5	4±0.5	Bauxite, Chamotte	Casting, Vibrating	1650	8.5 – 10.5	0 – 5	2.55±0.1	450 – 650	400 – 600
SURA CAST 70 RC	70±2	23±2	1.5±0.5	4±0.5	Bauxite, Chamotte	Casting, Vibrating	1700	8 – 10	0 – 5	2.6±0.1	500 – 700	450 – 650
SURA CAST 75 RC	75±2	18±1	1.5±0.5	4±0.5	Bauxite	Casting, Vibrating	1730	8 – 10	0 – 5	2.65±0.1	500 – 700	450 – 650
SURA CAST 80 RC	80±2	13±1	1.5±0.5	4±0.5	Bauxite	Casting, Vibrating	>1730	7 – 9	0 – 5	2.75±0.1	550 – 750	450 – 650
SURA CAST 85 RC	85±2	8±1	1±0.5	3.5±0.5	Tabular, Bauxite	Casting, Vibrating	>1730	7 – 9	0 – 5	2.8±0.1	600 – 800	450 – 650
SURA CAST 90 RC	90±2	5±0.5	<1	3.5±0.5	Tabular, Bauxite	Casting, Vibrating	>1800	7 – 9	0 – 5	2.85±0.1	650 – 850	500 – 700
SURA CAST 92 RC	92±2	4±0.5	<0.8	3.5±0.5	Tabular, Bauxite	Casting, Vibrating	>1800	7 – 9	0 – 5	2.9±0.1	700 – 900	600 – 800
SURA CAST 94 RC	94±1	2.5±0.5	<0.5	3.5±0.5	Tabular Alumina	Casting, Vibrating	>1800	7 – 9	0 – 5	2.9±0.1	750 – 950	650 – 850
SURA CAST 95 RC	95±1	2±0.5	<0.3	3.5±0.5	Tabular Alumina	Casting, Vibrating	>1800	7 – 9	0 – 5	3±0.1	750 – 950	650 – 850
SURA CAST 96 RC	96±1	1±0.3	<0.2	3.5±0.5	Tabular Alumina	Casting, Vibrating	>1800	5.5 – 7	0 – 5	3.1±0.1	800 – 1000	700 – 900
Standards	ISO 21587-2						ISO 825 ,1146	ASTM C860		ASTM C20	ASTM C133	