



CAROCAST 32

2020

CAROCAST 32 is a 70% alumina castable. It has good volume stability and exceptional strength at intermediate temperature. Typical applications are aluminum furnaces, rotary kilns, forge, and heating furnaces. Resistant to thermal shock and carbon disintegration.

Maximum recommended service temperature.....3200°F

Melting Point.....3350°F

<u>Test Temperature</u>	<u>Modulus of Rupture,</u> <u>p.s.i.</u>	<u>Cold Crushing,</u> <u>p.s.i.</u>	<u>Linear Change %</u>
220°F	1150 – 1350	3500 – 4500	0
1000°F	900 – 1100	3000 – 3500	-0.1
1500°F	800 – 1000	2500 – 3000	-0.1
2000°F	900 – 1100	3000 – 3500	-0.2
2500°F	900 – 1100	3400 – 3800	-0.1
2700°F	1000 – 1100	3800 – 4000	+0.1
2900°F	1150 – 1300	4200 – 4600	+0.1

Chemical Analysis (%)

Alumina (Al ₂ O ₃)	70.19
Silica (SiO ₂)	21.04
Iron (Fe ₂ O ₃)	1.30
Titania (TiO ₂)	1.99
Lime (CaO).....	4.44
Magnesia (MgO).....	0.14
Alkalies.....	0.14
Ign. Loss.....	0.81

Water required for mixing 3 ½ to 4 qtrs. Per 75# bag.

Material required for estimating – 155 lbs./ft³

Packaged in 75-pound bags, forty-eight bags per pallet (3600 pounds)