



CAROCAST 31

2020

CAROCAST 31 is a low iron 3100°F castable with excellent abrasion resistance. CAROCAST 31 also has excellent spalling and slag resistance.

Maximum recommended service temperature.....3100°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>
230°F	500 – 600	2000 – 2500	-0.1
1500°F	400 – 500	1200 – 1300	-0.1
2000°F	300 – 400	900 – 1100	-0.3
2550°F	1050 – 1250	3300 – 3800	+0.2
2910°F	1800 – 2000	3900 – 5500	+0.6

Chemical Analysis (%)

Alumina (Al ₂ O ₃)	64.4
Silica (SiO ₂)	29.6
Iron (Fe ₂ O ₃)	1.0
Titania (TiO ₂)	1.7
Lime (CaO).....	2.9
Magnesia (MgO).....	0.1
Alkalies.....	Trace

Water required for mixing – 3 ½ to 5 qtrs. Per 75# bag. (10.5-12.5%)

Material required for estimating – 145 lbs./ft³

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