



**CAROCAST 31 L**

**2020**

**CAROCAST 31 L** is a low iron 3100°F castable with excellent abrasion resistance. CAROCAST 31 L also has excellent spalling and slag resistance. Resistant to thermal shock and metal penetration.

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 <sub>2</sub> O <sub>3</sub> ) .....	69.9
Silica (SiO <sub>2</sub> ) .....	24.1
Iron (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.0
Titania (TiO <sub>2</sub> ) .....	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./ft<sup>3</sup>

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