



**CAROLITE 30**

**2020**

**CAROLITE 30** is a 3000°F insulating castable which has excellent insulation characteristics.

Maximum recommended service temperature.....3000°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	200 – 300	600 – 1200	0.0
1500°F	100 – 250	500 – 900	-0.1
2000°F	450 – 600	900 – 1300	-0.1
2500°F	700 – 900	1900 – 2400	+0.1
2700°F	800 – 1200	2100 – 2500	+0.1

**Chemical Analysis (%)**

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	58.4
Silica (SiO <sub>2</sub> ) .....	33.5
Iron (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.0
Titania (TiO <sub>2</sub> ) .....	1.5
Lime (CaO).....	4.3
Magnesia (MgO).....	0.1
Alkalies.....	0.7
Ign. Loss.....	0.5

Water required for mixing: 20 - 25% by weight

Material required for estimating – 87 to 90 lbs./ft<sup>3</sup>

Packaged in 40-pound bags, sixty bags per pallet (2400 pounds)