



CAROLITE 28

2020

CAROLITE 28 is a 2800°F insulating castable which has excellent insulation characteristics.

Maximum recommended service temperature.....2800°F

Melting Point.....3050°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	300 – 450	1700 – 2000	0.0
1500°F	200 – 250	700 – 1100	-0.1
2000°F	150 – 200	900 – 1300	-0.2
2500°F	60 – 700	1900 – 2400	+0.2
2700°F	800 – 1000	2000 – 2400	+1.8

Chemical Analysis (%)

Alumina (Al ₂ O ₃)	55.1
Silica (SiO ₂)	36.0
Iron (Fe ₂ O ₃)	1.2
Titania (TiO ₂)	1.2
Lime (CaO).....	5.0
Magnesia (MgO).....	0.1
Alkalies.....	0.8
Ign. Loss.....	0.5

Water required for mixing 6 to 7 ½ qtrs. Per 50# bag. 20 - 25% by weight

Material required for estimating – 78 to 83 lbs./ft³

Packaged in 60-pound bags, forty bags per pallet (2400 pounds)