



CARORAM 90 PB

2020

CARORAM 90 PB is a high purity, high alumina, chemically bonded plastic refractory. Exhibits excellent hot strengths, volume stability and resistance to ferrous and non-ferrous metal penetration and corrosive slags. Typical applications include reheat furnace hearths, aluminum melting and holding furnaces, nose rings and patching linings in rotary kilns.

Maximum recommended service temperature..... 3300°F

Melting Point..... 3375°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	1200 – 1600	3800 – 4200	-0.3
1500°F	2000 – 2400	6300 – 6800	-0.2
2000°F	3000 – 3500	9400 – 9800	-0.1
2500°F	4500 – 5000	12500 – 13000	-0.4
3000°F	2400 – 2800	7200 – 7800	-0.1

Chemical Analysis (%)

Alumina (Al ₂ O ₃)	89.6
Silica (SiO ₂)	5.5
Iron (Fe ₂ O ₃)	0.1
Titania (TiO ₂)	0.3
Lime (CaO).....	0.6
Magnesia (MgO).....	0.1
Phosphorus Pentoxide (P ₂ O ₅).....	3.7

Material required for estimating – 180 lbs./ft³

Packaged in 50-pound cartons, seventy-two cartons per pallet (3600 pounds)