



**CARORAM 70 PB**

**2020**

**CARORAM 70 PB** is a high alumina, chemically bonded plastic refractory. It exhibits high strength and volume stability throughout the temperature range. It is used where resistance to slagging, spalling and abrasion is required. Applications include soaking pit sidewalls and bottoms, aluminum melting and holding furnaces ladle linings and patching in rotary kilns.

Maximum recommended service temperature..... 3150°F

Melting Point..... 3250°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 – 400	1100 – 1500	-0.2
1500°F	600 – 700	2000 – 2400	-0.1
2000°F	650 – 750	2200 – 2700	-0.1
2500°F	950 – 1050	3200 – 4000	+0.7
3000°F	1250 – 1350	4500 – 5500	+1.6

**Chemical Analysis (%)**

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	69.4
Silica (SiO <sub>2</sub> ) .....	22.5
Iron (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.7
Titania (TiO <sub>2</sub> ) .....	2.3
Lime (CaO).....	0.1
Magnesia (MgO).....	0.3
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> ).....	3.4

Material required for estimating – 170 lbs./ft<sup>3</sup>

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