



CARORAM 85 G

2020

CARORAM 85 G is a high alumina, graphitic plastic. CARORAM 85 G has been designed to resist molten metal and slag attack in the most severe conditions. Typical applications in blast furnaces and high production cupolas are troughs, runners, and skimmers and the breast, taphole, and runners.

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

Melting Point..... 3225°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	350 – 500	1200 – 1600	-0.1
2000°F	550 – 850	2250 – 2700	-0.2
2500°F	600 – 950	2450 – 2900	+0.1
3000°F	450 – 750	2100 – 2550	+0.2

Chemical Analysis (%)

Alumina (Al ₂ O ₃)	84.7
Silica (SiO ₂)	12.0
Iron (Fe ₂ O ₃)	1.2
Titania (TiO ₂)	1.9
Lime (CaO).....	0.1
Magnesia (MgO).....	0.1

Material required for estimating – 168 lbs./ft³

Packaged in 100-pound cartons, thirty-two cartons per pallet (3200 pounds)