



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN PLASTIC 85 M

CLAYBURN PLASTIC 85 M is an extruded, high purity, Mullite/high alumina, phosphate bonded plastic ramming refractory. The high density, low porosity and volume stability reduces metal penetration and the effects of corrosive slags. CLAYBURN PLASTIC 85 M is ideal for ramming vessels containing molten metals. After firing, CLAYBURN PLASTIC 85 M contains at least 85% Mullite.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 160 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Mullite	Fe ₂ O ₃	Alumina Phosphate	Other
87%	<1%	8%	4%

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	900-1150	2,300-3,000	-0.1
1500	1900-2100	5,800-6,700	-0.4
2000	1950-2200	5,800-6,300	-0.3
2500	1950-2200	5,800-6,300	+1.0

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The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.