



CLAYBURN INDUSTRIES LTD.

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TECHNICAL DATA

CLAYBURN MULLITE PLASTIC P Plus

Clayburn Mullite Plastic P Plus is a Mullite aggregate based, low iron, volume stable, phosphate bonded plastic with excellent strengths and abrasion resistance. It has low thixotropy to reduce the need for forming. Low permeability reduces metal and slag penetration.

SERVICE TEMPERATURE: 3100°F
MATERIAL REQUIRED FOR ESTIMATING: 170 lbs./cu. ft.

TYPICAL CHEMICAL ANALYSIS
(Calcined Basis)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	MgO	CaO	P ₂ O ₅	Alk.
72.5	22.0	1.0	1.5	0.1	0.1	3.2	0.2

TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1150	2,850	-0.1
1500	1767	5,635	-0.6
2000	1600	4,600	-0.5
2500	2200	5,875	+1.2

Abrasion Loss after 1500°F: 5-6 cc

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The data 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 specifications.