



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA

### CLAYBURN MULLITE PLASTIC P/AL

Clayburn Mullite Plastic P/AL is a mullite based, low iron, volume stable, non wetting, phosphate bonded plastic developed specifically for aluminum contact applications. It has excellent strengths. It has low thixotropy to reduce the need for forming.

**SERVICE TEMPERATURE:** 3100°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 162 lbs./cu. ft.

### TYPICAL CHEMICAL ANALYSIS (Calcined Basis)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	MgO	CaO	P <sub>2</sub> O <sub>5</sub>	Alk.
67.3	27.0	0.8	1.5	0.1	0.1	3.0	0.2

### TYPICAL PHYSICAL PROPERTIES

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
250	1150	1,850	-0.1
1500	1400	3,100	-0.2
2000	1600	3,100	-0.2
2500	2200	5,875	+1.2
3000	2800	11,500	+1.6

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