



**CLAYBURN INDUSTRIES LTD.**

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## TECHNICAL DATA

### **CLAYBURN PLASTIC 85P/AL**

CLAYBURN PLASTIC 85 P/AL is a high purity, extra high alumina, chemically bonded plastic refractory developed for aluminum contact applications. It exhibits high hot strengths and abrasion resistance. The inherent high density and low porosity of CLAYBURN PLASTIC 85 P/AL reduces metal penetration.

**SERVICE TEMPERATURE:** 3100°F  
**MATERIAL REQUIRED FOR ESTIMATING:** 188 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.
86.0	6.2	1.1	2.7	0.2	0.1	3.3	0.4

### **TYPICAL PHYSICAL PROPERTIES**

Prefired to °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear Change %
600	600-700	1,400-1,600	-0.4 to -0.8
1500	1600-1800	4,500-4,800	-
3000	1200-1400	5,500-5,700	-0.4 to -0.8

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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.