



ABLE PLASTIC 75P

ABLE Plastic 75P is a 75% Alumina-Class, Phosphate-Bonded, High Alumina Plastic Refractory. It exhibits extremely high strength and volume stability throughout the entire temperature range. It is used where excellent resistance to temperature, slagging, spalling, and abrasion is required.

Typical application would be hearths of reheat furnaces, soaking pit lower sidewalls and bottoms, forge furnace hearths, non-ferrous furnaces, ladles, electric furnaces, and other high temperature applications.

Maximum Recommended Use Limit 3000°F
 Melting Point 3300°F

<u>TEST</u> <u>TEMPERATURE</u>	<u>LINEAR</u> <u>CHANGE %</u>
200°F	-0.2
1500°F	-0.1
2500°F	+0.4

Hot Load Deformation at 2750°F4.5%

<u>CHEMICAL ANALYSIS</u>		<u>BTU/SQ.FT./HR./IN.⁰F</u>	
Alumina	..... 74.95	Mean Temp.	“K”
Silica	..... 18.08	1000°F	14.94
Ferric Oxide	..... 1.00	1500°F	13.38
Titanium Oxide	..... 1.81	2000°F	13.24
Calcium Oxide	..... 0.03	2300°F	13.22
Magnesium Oxide	..... 0.07		
Phosphorus Petoxide	.... 3.93		
Alkalies	.... 0.12		

Material Required per Cubic Foot170 - 175 Lbs.
 Packaged in 100 Lb. Poly-Lined Cartons, 36 Cartons per Pallet
 (3600 Lbs.)