



ABLE PLASTIC 90 P

ABLE Plastic 90 P is High alumina, Phosphate-Bonded, Plastic Refractory. Able Plastic 90 P develops high strength on drying with increasing strengths as temperatures are increased. Able Plastic 90 P has good volume stability and excellent resistance to most corrosive slags. Low abrasion numbers also allows use in liners through out the chemical and Refinery applications.

Maximum Recommended Use Limit 3300°F
 Melting Point 3335°F

<u>TEST</u>	<u>MODULUS OF</u>	<u>LINEAR</u>
<u>TEMPERATURE</u>	<u>RUPTURE,PSI</u>	<u>CHANGE %</u>
200°F	1000-1500	-0.3 to -0.7
1500°F	1500-2000	-0.3 to -0.8
2000°F	1600-1800	-0.2 to +0.2
2550°F	1700-2500	-0.2 to +0.6
3000°F	1700-2500	-0.2 to +0.5

<u>CHEMICAL ANALYSIS</u>		<u>THERMAL CONDUCTIVITY</u>	
		<u>BTU/SQ.FT./HR./IN.⁰F</u>	
Alumina	..... 89.30	Mean Temp. "K"	
Silica	..... 5.70	1000°F	17.54
Ferric Oxide	..... 0.20	1500°F	16.04
Titanium Oxide	..... 0.30	2000°F	15.11
Calcium Oxide	..... 0.60	2300°F	14.84
Magnesium Oxide	..... 0.10		
Phosphorus Petoxide	.... 3.60		
Alkalies	.... 0.20		

Material Required per Cubic Foot180 - 185 Lbs.

Packaged in 100 Lb. Poly-Lined Cartons, 36 Cartons per Pallet
 (3600 Lbs.)