



ABLE LC-60

ABLE LC-60 is a 60% alumina low cement, low moisture castable which has extremely high hot strength, high density, low porosity and superior corrosion resistance. It can be used as an original lining, as pre-cast shapes in iron and steel applications, Petro-Chem plants, non-ferrous furnaces and ladles, and cement kilns.

Maximum Recommended Use Limit 3000°F
 Melting Point 3290°F

Reheat Properties:

<u>HOURS</u>	<u>TEST TEMPERATURE</u>	<u>MODULUS OF RUPTURE, PSI</u>	<u>COLD CRUSH PSI</u>	<u>LINEAR CHANGE %</u>
24	220°F	1800	9,000	0.0
5	1500°F	2400	9,000	-0.1
5	2000°F	3000	10,000	-0.2
5	2500°F	3400	11,000	-0.2
5	3000°F	3000	11,000	-1.0

Hot Modulus of Rupture, psi @ 1500°F 3200
 @ 2500°F 1500

CHEMICAL ANALYSIS

Al ₂ O ₃	61.8
SiO ₂	34.1
Fe ₂ O ₃	0.8
TiO ₂	1.7
CaO	1.3
MgO	0.2
Alkalies	0.1

THERMAL CONDUCTIVITY BTU/SQ.FT./HR./IN./°F

Mean Temp.	"K"
500°F	11.0
1000°F	11.7
1500°F	12.3
2000°F	13.0
2500°F	13.5

Water required for mixing (by weight) 5.5%
 Material required per cubic foot. 160 lbs/cubic foot

Packaged in 75 lb. cartons, 48 cartons per pallet - (3600 lbs.)