



ABLE INSULCAST 28 LW

ABLE Insulcast 28 LW is a Low Iron, 2800 F insulating castable. It possesses High strength and Low thermal conductivity in addition to its light weight.

Maximum Recommended Use Limit 2800°F
 Melting Point 3175°F

<u>TEST TEMPERATURE</u>	<u>MODULUS OF RUPTURE, PSI</u>	<u>COLD CRUSH PSI</u>	<u>LINEAR CHANGE %</u>
200°F	300-450	1700-2000	0.0
1500°F	200-250	700-1100	-0.1
2000°F	150-200	900-1300	-0.2
2500°F	600-700	1900-2400	+2.0
2700°F	800-1000	2000-2400	+1.8

CHEMICAL ANALYSIS

Al ₂ O ₃	55.10
SiO ₂	36.00
Fe ₂ O ₃	1.20
TiO ₂	1.20
CAO	5.00
MGO	0.10
Alkalies	0.80
Ign. Loss	0.60

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

Mean Temp.	"K"
500°F	2.63
1000°F	2.91
1500°F	3.14
2000°F	3.66

Water required for mixing (by weight) 20-24%
 Quarts of water per 50/lb. bags 6-7.5
 Material required per cubic foot. 78-83 lbs

Packaged in 50 lb. bags, 54 bags per pallet - (2700 lbs.)