



TECHNICAL DATA

LADLELINE™ HIGH ALUMINA CASTABLE

Recommended Service Temperature Limit..... 3000°F
 Water Required for Mixing..... 7-9%
 Material Required Per Ft³..... 135-143 lb
 Packaging..... 55 lb bag

TEMPERATURE (°F)	BULK DENSITY (lb/ft ³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in ²)	COLD CRUSH STRENGTH (lb/in ²)	APPARENT POROSITY (%)
220	136-146	-0.4 to 0.0	500- 800	2000- 4000	16 - 20
1500	135-143	-0.4 to 0.0	300- 700	1200- 3200	20 - 24
2250	134-142	-0.5 to -0.1	500- 900	2000- 3500	20 - 24
2732	131-139	0.4 to 0.8	800-1200	5000- 9000	19 - 21
2910	131-141	0.2 to 0.6	1500-2000	10000-15000	13 - 17

CHEMICAL ANALYSIS: (Ignited)

Al ₂ O ₃	.....	56.2%
SiO ₂	.....	36.4
Fe ₂ O ₃	.....	1.2
TiO ₂	.....	2.4
CaO	.....	2.6
MgO	.....	0.3
Alkalies	.....	0.9

THERMAL CONDUCTIVITY: ASTM C-1113

Mean Temperature (°F)	K-Factor (BTU·in/hr·ft ² °F) <u>Pour Cast</u>
1500.....	9.7
2000.....	10.2
2500.....	10.3

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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