



# TECHNICAL DATA

## LO-ERODE®

### ABRASION RESISTANT CASTABLE

Recommended Service Temperature Limit ..... 2400°F  
 Water Required for Mixing..... 9 - 12%  
 Material Required Per Ft³..... 129-138 lb  
 Packaging..... 55 lb bag

TEMPERATURE (°F)	BULK DENSITY (lb/ft³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in²)	COLD CRUSH STRENGTH (lb/in²)	APPARENT POROSITY (%)	ABRASION LOSS (CM³)
220	135-145	-0.2 to 0.2	1300-2200	5600-15600	14 - 18	5-10
600	131-140	-0.2 to -0.6	1300-2200	5400-12400	-----	5-10
1500	129-138	-0.2 to -0.6	1200-2300	5000-12800	25 - 29	7-12
2000	127-137	-0.1 to -1.5	1000-1800	4000- 9500	26 - 30	7-12
2400	135-142	-1.0 to -2.5	2200-2900	4500-13500	20 - 24	-----

CHEMICAL ANALYSIS: (Ignited)

Al<sub>2</sub>O<sub>3</sub> ..... 57.9%  
 SiO<sub>2</sub> ..... 32.3  
 Fe<sub>2</sub>O<sub>3</sub> ..... 0.9  
 TiO<sub>2</sub> ..... 1.3  
 CaO ..... 6.7  
 MgO ..... 0.3  
 Alkalies ..... 0.6

THERMAL CONDUCTIVITY: ASTM C-1113

Mean Temperature K-Factor  
 (°F) (BTU-in/hr-ft² °F)  
 1000..... 9.6  
 1500..... 9.4  
 2000..... 9.9

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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