



# TECHNICAL DATA

## PUROCAST® N (F-359) LOW-IRON HIGH ALUMINA CASTABLE

Recommended Service Temperature Limit.....	3000°F
Water Required for Mixing.....	8-10%
Material Required Per Ft³.....	136-140 lb
Packaging.....	55 lb bag

TEMPERATURE (°F)	BULK DENSITY (lb/ft³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in²)	COLD CRUSH STRENGTH (lb/in²)	K-FACTOR ASTM C-1113 (BTU·in/hr·ft²·°F)
220	141-144	0.0 to -0.4	500- 900	2200-3200	-----
1500	137-140	-0.1 to -0.7	200- 300	800-1800	8.9
2250	136-139	-0.3 to -0.7	300- 400	500-1000	9.8
2732	132-135	0.5 to 2.0	1500-2100	5000-6000	10.2
2910	130-133	1.0 to 2.0	2100-2700	8500-9500	10.2

### CHEMICAL ANALYSIS: (Ignited)

Al <sub>2</sub> O <sub>3</sub>	.....	62.3%
SiO <sub>2</sub>	.....	30.1
Fe <sub>2</sub> O <sub>3</sub>	.....	1.2
TiO <sub>2</sub>	.....	2.4
CaO	.....	3.1
MgO	.....	0.3
Alkalies	.....	0.6

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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