



TECHNICAL DATA

HI-STRENGTH™ COARSE 25-LI LOW-IRON COARSE AGGREGATE CASTABLE

Recommended Service Temperature Limit.....	2550°F
Water Required For Spade Casting	11 - 13%
Water Required For Vibration Casting.....	9½ - 10½%
Material Required Per Ft³.....	124-129 lb
Packaging.....	55 lb bag

TEMPERATURE (°F)	BULK DENSITY (lb/ft³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in²)	COLD CRUSH STRENGTH (lb/in²)
220	129-134	-0.2 to -0.0	600-1600	3000- 9000
1500	122-127	-0.5 to 0.1	550-1150	2500- 7000
2000	121-126	-0.6 to 0.0	500-1100	2000- 6200
2250	122-127	-0.7 to -0.1	500-1000	1500- 6000
2550	112-117	2.0 to 2.6	700-1700	3300- 7800

CHEMICAL ANALYSIS: (Ignited)

Al ₂ O ₃	43.4%
SiO ₂	41.7
Fe ₂ O ₃	1.7
TiO ₂	2.1
CaO	9.9
MgO	0.1
Alkalies	1.1

THERMAL CONDUCTIVITY: ASTM C-1113

Mean Temperature (°F)	K-Factor (BTU·in/hr·ft² °F) <u>Pour Cast</u>
1000.....	7.9
1500.....	8.3
2000.....	8.5

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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