



TECHNICAL DATA

PUROTAB®

TABULAR ALUMINA CASTABLE

Recommended Service Temperature Limit.....	3400°F
Water Required for Mixing.....	8-11%
Material Required Per Ft ³	160-170 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)
220	165-178	0.0 to -0.5	1600-2600	5200-10200
1500	161-174	-0.1 to -0.5	1500-2100	7300- 9900
2250	161-172	-0.4 to -0.6	1000-1500	4900- 7200
2550	165-176	-0.4 to -1.3	1300-2600	6100-11000
3000	165-176	-0.6 to -1.1	800-1300	3300- 5300

CHEMICAL ANALYSIS: (Ignited)

Al ₂ O ₃	.....	94.0%
SiO ₂	.....	0.1
Fe ₂ O ₃	.....	0.3
TiO ₂	.....	Tr
CaO	.....	5.4
MgO	.....	0.1
Alkalies	.....	0.1

THERMAL CONDUCTIVITY: ASTM C-1113

Mean Temperature (°F)	K-Factor (BTU-in/hr-ft ² °F) Pour Cast
1500.....	16.9
2000.....	17.1
2500.....	15.3

ABRASION LOSS, (cm³)

Spade Cast
After 2000°F Reheat

6 - 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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