



TECHNICAL DATA

PUROTAB® GM

HIGH-PURITY TABULAR ALUMINA GUNNING MIX

Recommended Service Temperature Limit..... 3400°F
 Material Required Per Ft³ (value does not include rebound)..... 160-165 lb
 Packaging..... 55 lb bag

TEMPERATURE (°F)	BULK DENSITY (lb/ft³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in²)	COLD CRUSHING STRENGTH (lb/in²)
220	161-163	-0.1 to -0.2	1500-1800	5000-8100
1500	153-157	-0.0 to -0.2	1500-2200	6200-7900
2000	153-156	-0.1 to -0.5	700-1100	3000-5000
2250	153-157	-0.1 to -0.5	900-1000	4000-6000
3000	153-161	-0.8 to -1.0	1500-2400	3100-6400

THERMAL CONDUCTIVITY:

ASTM C-1113

CHEMICAL ANALYSIS:		Initial ascending temperature curve	
		Mean Temperature (°F)	K-Factor (BTU·in/hr·ft² °F)
Al ₂ O ₃	94.0%		
SiO ₂	0.1	1500.....	12.5
Fe ₂ O ₃	0.3	2000.....	12.7
TiO ₂	Tr	2500.....	12.4
CaO	5.4		
MgO	0.1		
Alkali	0.1		

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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