



TECHNICAL DATA

KRICON® 34-10

Description: High Purity, Alumina-Chrome Castable with 10% Cr₂O₃
 This castable should be installed using vibration casting methods

Recommended Service Temperature Limit..... 3400°F
 Water Required for Mixing..... 4.0-4.5%
 Material Required Per Ft³..... 200-205 lb

TEMPERATURE (°F)	BULK DENSITY (lb/ft ³)	LINEAR CHANGE (%)	MODULUS OF RUPTURE (lb/in ²)	COLD CRUSH STRENGTH (lb/in ²)	APPARENT POROSITY (%)
1500	200	0.0	1700	3500	15
2000	199	+0.1	3900	10,400	16
2910	194	+0.3	3400	6200	18

CHEMICAL ANALYSIS (Calcined Basis)

Al ₂ O ₃	88.4%
SiO ₂	0.1
Fe ₂ O ₃	0.1
TiO ₂	0.0
CaO	1.2
Alkalies	0.2
Cr ₂ O ₃	10.0

HOT MODULUS OF RUPTURE: (lb/in²)

At 2550°F.....	1100
At 2700°F.....	950

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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