

## **INSULATING CASTABLES**

2600°F

43%

PRODUCT DATA

(1427°C)

)

# **QUIKLITE 9**

QUIKLITE 9 COMBINES THE QUALITIES OF AN INSULATING AND GENERAL DUTY CASTABLE. GOOD PROTECTION AGAINST HEAT LOSS AND HIGH STRENGTH HAVE MADE THIS PRODUCT AN IDEAL CHOICE FOR THE GUNNING OF REGENERATOR AND REACTOR WALLS. QUIKLITE 9 IS FORMULATED FOR RAPID HEATUP WITHOUT THE TRADITIONAL RAMP ANND HOLD HEATING SCHEDULE

CAST DATA:

		· - /
BULK DENSITY		
After 1500°F @ (815°C)	90 LBS/FT <sup>3</sup>	(1442 KG/M <sup>3</sup> )
COLD CRUSHING STRENGTH		
After 1500°F @ (815°C)	600 - 2000 P.S.I.	(42 - 140 KG/CM <sup>2</sup> )
PERMANENT LINEAR CHANGE		
Green to 1500°F (815°C) 230°F to 1500°F (110-815°C)	0.0 TO - 0.4 % 0.0 TO - 0.3 %	
APPARENT POROSITY		

After 1000°F (540°C)

CONDUCTIVITY OR "K" FACTOR

MAXIMUM SERVICE TEMPERATURE (M.S.T.)

MEAN TEMP	<b>BTU/FT<sup>2</sup>/HR/°F/IN</b>	W/mK
@ 260°C (500°F)	3.8	0.55
@ 540°C (1000°F)	3.3	0.48
@ 815°C (1500°F)	3.6	0.52

TYPICAL CHEMICAL ANALYSIS (%)						
<b>AL</b> 2O3	SiO2	<b>Fe</b> 2O3	CaO	MgO	<b>TiO</b> <sup>2</sup>	AlK
40.0	39.8	3.3	10.6	0.7	1.1	2.1

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions 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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**GUNNED DATA ON PAGE 2** 



## **QUIKLITE 9**

QUIKLITE 9 CAN ALSO BE READILY APPLIED BY GUNITE APPLICATION. DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDE LINES SET FORTH IN ASTM C-903-70 "PREPARING REFRACTORY CONCRETE SPECIMEN'S BY COLD GUNNING".

MAXIMUM SERVICE TEMPERATUR	E (M.S.T.)	2600°F (1427°C)
BULK DENSITY After 1500°F @ (815°C)	95 LBS/FT <sup>3</sup>	(1520 KG/M³)
COLD CRUSHING STRENGTH After 1500°F @ (815°C)	800 - 2200 P.S.I	. (56 – 154 KG/CM²)
PERMANENT LINEAR CHANGE Green to 1500°F (815°C) 230°F to 1500°F (110-815°C)	0.0 TO - 0.4 0.0 TO - 0.1	

#### CONDUCTIVITY OR "K" FACTOR

ME	CAN TEMP	<b>BTU/FT<sup>2</sup>/HR/°F/IN</b>	W/mK
Ø	260°C (500°F)	4.4	0.64
0	540°C (1000°F)	3.9	0.57
0	815°C (1500°F)	4.2	0.61

PACKAGING

25 KG BAGS

### APPARENT POROSITY

After  $1000^{\circ}$ F (540°C)

**40**%