RESCO
PRODUCTS (UK) LTD

INSULATING CASTABLES

PRODUCT DATA

QUIKLITE 9MI

QUIKLITE 9MI 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 9MI CAN BE HEAT CURED AT RATES MUCH FASTER THAN CONVENTIONAL CASTABLES.

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MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1370°C)

BULK DENSITY

@ 110°C	93 - 100	LBS/FT³	1490 - 1602	KG/M³
@ 815°C	86 - 93	LBS/FT³	1377 - 1490	KG/M³

COLD CRUSHING STRENGTH

@ 815°C	600 - 1000	P.S.I.	42 - 70	KG/CM²

COLD MODULUS OF RUPTURE

@ 815°C	150 - 300	P.S.I.	10 - 21	KG/CM²

PERMANENT LINEAR CHANGE

@ 815°C 0.00 TO - 0.30 %

CONDUCTIVITY OR "K" FACTOR

MEAN TEMP	BTU/FT²/HR/°F/IN	W/mK
@ 260°C (500°F)	2.35	0.34
@ 540°C (1000°F)	2.50	0.36
@ 815°C (1500°F)	2.90	0.42
@ 1095°C (2000°F)	3.35	0.48

TYPICAL CHEMICAL ANALYSIS (%)

AL_2O_3	SiO_2	Fe_2O_3	CaO	MgO	TiO_2	AlK
36.5	44.6	2.6	10.2	0.6	0.8	2.0

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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QUIKLITE 9MI

QUIKLITE 9MI 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 TEMPERATURE (M.S.T.) (1370°C)

BULK DENSITY

@ 815°C	90 - 100	LBS/FT³	1440 - 1600	KG/M³

COLD CRUSHING STRENGTH

@ 815°C	800 - 1200	P.S.I.	56 - 84	KG/CM²

COLD MODULUS OF RUPTURE

@ 815°C	300 - 500	P.S.I.	21 - 35	KG/CM²

PERMANENT LINEAR CHANGE

@ 815°C 0.00 TO - 0.30 %

CONDUCTIVITY OR "K" FACTOR

MEAN TEMP	BTU/FT²/HR/°F/IN	W/mK
@ 260°C (500°F)	2.60	0.37
@ 540°C (1000°F)	2.80	0.40
@ 815°C (1500°F)	3.00	0.43

PACKAGING 25 KG BAGS

POROSITY 43 PERCENT @ 1000°F (540°C) (CAST)
40 PERCENT @ 1000°F (540°C) (GUNITED)

ASTM CLASS C-401 CLASSIFICATION "Q"