



EXTREME SERVICE CASTABLES

PRODUCT DATA

QUIKGUN 10SC

QUIKGUN 10SC IS A EROSION RESISTANT, HIGH STRENGTH GUNNING GRADE REFRACTORY CONTAINING 10% SILICON CARBIDE. IT HAS BEEN FORMULATED TO RESULT IN MINIMUM REBOUND LOSS. QUIKGUN 10SC WILL ADHERE TO EXISTING REFRACTORY MAKING IT AN IDEAL MATERIAL FOR GUN PATCHING AND REPAIRS. QUIKGUN 10SC CAN BE BROUGHT BACK INTO SERVICE AS SOON AS IT HAS TAKEN ITS INITIAL SET AT HEAT UP RATES HIGHER THAN POSSIBLE WITH CONVENTIONAL CASTABLES.

DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDELINES SET FORTH IN ASTM C-903-70 "PREPARING REFRACTORY CONCRETE SPECIMENS BY COLD GUNNING".

MAXIMUM SERVICE TEMPERATURE (M.S.T.) 1250°C (2200°F)

BULK DENSITY

@ 110°C	150 - 156	LBS/FT ³	2403 - 2500	KG/M ³
@ 815°C	147 - 155	LBS/FT ³	2355 - 2483	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	8000 - 13000	P.S.I.	552 - 896	KG/CM ²
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COLD MODULUS OF RUPTURE

@ 815°C	1550 - 3100	P.S.I.	107 - 214	KG/CM ²
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PERMANENT LINEAR CHANGE

Green to 815°C -0.20 TO - 0.50 %

EROSION LOSS (ASTM C-704) **LESS THAN 7.0 CC**
(Typical 5-6 cc)

TYPICAL CONDUCTIVITY OR "K" FACTOR

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	15.0	2.16
1500°F (815°C)	15.0	2.16
2000°F (1095°C)	15.0	2.16

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO/MgO	SiC	P2O5	OTHER
51.1	31.5	0.6	1.1	9.7	3.0	3.0

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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