

Quikturn Castables

Product Data

QUIKTURN 80SCG

QUIKTURN 80SCG is a 80% Silicon carbide based gun mix. This product is recommended for both new linings and repairs to existing linings using anchored construction. After the initial set, the furnace lining can be returned to operation without the traditional controlled heating schedule.

The following is gunned data:

<u>Maximum Service Temperature:</u>	1480°C
<u>Bulk Density:</u> Fired to 815°C	2300 - 2400 kg/m ³
<u>Cold Crushing Strength:</u> After Firing to 815°C After Firing to 1200°C	400 - 700 kg/cm ² 500 - 800 kg/cm ²
<u>Modulus of Rupture:</u> After Firing to 815°C	100 - 180 kg/cm ²
<u>Erosion Loss:</u> After Firing to 815°C	Less than 12 cc (Typical loss 8-10 cc)
<u>Permanent Linear Change(%):</u> Green to 815°C	-0.1 to -0.4

<u>Conductivity or "K" Factor:</u> Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
2000°F (1095°C)	50.0	7.22

Typical Chemical Analysis(%):

SiC	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Alkalis
81.0	7.4	9.0	0.2	Tr	1.1	0.15

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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