

# Gun Mixes

## Product Data

### QUIKTURN 10SCG

**QUIKTURN 10SCG** is a ultra-low cement Mullite based gun mix with a 10% Silicon Carbide addition. This product is recommended for new and full lining repairs using anchored construction. After the initial set, the furnace lining can be returned to operation without curing or the traditional controlled heating schedule. **QUIKTURN 10SCG** has excellent strength, alkali and abrasion resistance.

<b><u>Maximum Service Temperature:</u></b>	1650°C
<b><u>Bulk Density:</u></b> Fired to 815°C	2320 - 2420 kg/m <sup>3</sup>
<b><u>Cold Crushing Strength:</u></b> Fired to 815°C Fired to 1370°C	550 - 700 kg/cm <sup>2</sup> 630 - 840 kg/cm <sup>2</sup>
<b><u>Modulus of Rupture:</u></b> Fired to 815°C	100 - 140 kg/cm <sup>2</sup>
<b><u>Erosion Loss:</u></b> Fired to 815°C	Less than 12 cc
<b><u>Permanent Linear Change(%):</u></b>  Green to 815°C	  -0.1 to -0.3

<b><u>Conductivity or "K" Factor:</u></b> Mean Temp.	BTU/ft <sup>2</sup> /HR/°F/in	W/mK
1000°F ( 540°C)	11.4	1.64
1500°F ( 815°C)	12.0	1.73

### **Typical Chemical Analysis(%):**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	Alkalis	SiC
57.8	29.1	0.9	1.0	0.99	0.3	9.9

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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