

QUIKGUN 60

QUIKGUN 60 IS A EROSION RESISTANT, HIGH STRENGTH MULLITE BASED GUNNING GRADE REFRACTORY. IT HAS BEEN FORMULATED TO RESULT IN MINIMUM REBOUND LOSS. QUIKGUN 60 WILL ADHERE TO EXISTING REFRACTORY MAKING IT AN IDEAL MATERIAL FOR GUN PATCHING AND REPAIRS. QUIKGUN 60ARB CAN BE BROUGHT BACK INTO SERVICE AT ACCELERATED RATES AS SOON AS IT HAS TAKEN ITS INITIAL SET

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 (220°F) | 139 - 146 LBS/FT ³ | 2225 - 2340 KG/M ³ |
| @815°C (1500°F) | 142 - 149 LBS/FT ³ | 2275 - 2390 KG/M ³ |

COLD CRUSHING STRENGTH

| | | |
|-----------------|---------------------|------------------------------|
| @815°C (1500°F) | 7000 - 12000 P.S.I. | 483 - 828 KG/CM ² |
|-----------------|---------------------|------------------------------|

COLD MODULUS OF RUPTURE

| | | |
|-----------------|--------------------|------------------------------|
| @815°C (1500°F) | 2000 - 3500 P.S.I. | 138 - 240 KG/CM ² |
|-----------------|--------------------|------------------------------|

PERMANENT LINEAR CHANGE

Green to 815°C (1500°F) -0.20 TO - 0.50 %

EROSION LOSS (ASTM C-704) LESS THAN 10.0 CC
(Typical 6-8 cc)

TYPICAL CONDUCTIVITY OR "K" FACTOR

| <u>MEAN TEMP</u> | <u>BTU/FT²/Hr/°F/in</u> | <u>W/mK</u> |
|------------------|------------------------------------|-------------|
| @ 540°C | 9.0 | 1.30 |
| @ 815°C | 10.0 | 1.44 |

TYPICAL CHEMICAL ANALYSIS (%)

| | | | | | | |
|--------------------------------|------------------|--------------------------------|---------|------------------|------|-----|
| AL ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | CaO/MgO | TiO ₂ | P2O5 | ALK |
| 59.9 | 30.8 | 0.8 | 0.9 | 1.8 | 3.1 | 1.7 |

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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