

RESCOCAST 16G

RESCOCAST 16G IS A 1500°C, MEDIUM PURITY CASTABLE PROVIDING HIGH STRENGTH AND EROSION RESISTANCE THROUGHOUT IT'S ENTIRE TEMPERATURE RANGE. RESCOCAST 16G HAS BEEN FORMULATED FOR GUNITE APPLICATION WITH MINIMUM REBOUND LOSSES AND UNIFORM FLOW TO THE NOZZLE. 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.) 1500°C

BULK DENSITY

@ 815°C 125 - 135 LBS/FT³ 2000 - 2160 KG/M³

COLD CRUSHING STRENGTH

@ 815°C 3500 - 5000 P.S.I. 245 - 345 KG/CM²
 @ 1370°C 4000 - 6000 P.S.I. 280 - 414 KG/CM²
 @ 1510°C 5000 - 8000 P.S.I. 345 - 560 KG/CM²

COLD MODULUS OF RUPTURE

@ 815°C 800 - 1400 P.S.I. 56 - 100 KG/CM²
 @ 1370°C 1000 - 1400 P.S.I. 79 - 100 KG/CM²
 @ 1510°C 1200 - 1600 P.S.I. 85 - 110 KG/CM²

PERMANENT LINEAR CHANGE

@ 1095°C 0.00 TO - 0.40 %
 @ 1370°C - 0.40 TO - 1.30 %
 @ 1510°C - 0.70 TO - 1.50 %

EROSION LOSS ASTM C-704 LESS THAN 15.0 CC

CONDUCTIVITY OR "K" FACTOR

	<u>BTU/ft²/Hr/°F/in</u>	<u>W/mK</u>
@ 815°C	6.5	0.94
@ 1370°C	7.0	1.00
@ 1510°C	7.4	1.06

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	Alk	TiO ₂
48.8	43.2	1.1	5.3	0.2	0.2	1.2

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