

RESCOCAST 17MIG

RESCOCAST 17MIG IS A 1500°C, CONVENTIONAL GUN GRADE CASTABLE PROVIDING GOOD STRENGTH AND EROSION RESISTANCE THROUGHOUT IT'S ENTIRE TEMPERATURE RANGE. RESCOCAST 17MIG 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 120 - 130 LBS/FT³ 1922 - 2083 KG/M³

COLD CRUSHING STRENGTH

@ 815°C 3000 - 5000 P.S.I. 207 - 345 KG/CM²
 @ 1370°C 3000 - 6000 P.S.I. 207 - 414 KG/CM²
 @ 1500°C 5000 - 7000 P.S.I. 345 - 483 KG/CM²

COLD MODULUS OF RUPTURE

@ 815°C 500 - 1000 P.S.I. 34 - 69 KG/CM²
 @ 1370°C 600 - 1200 P.S.I. 41 - 83 KG/CM²
 @ 1510°C 1000 - 1400 P.S.I. 69 - 97 KG/CM²

PERMANENT LINEAR CHANGE

@ 1095°C 0.00 TO - 0.35 %
 @ 1370°C - 0.40 TO - 1.20 %
 @ 1510°C - 0.70 TO - 1.40 %

EROSION LOSS ASTM C-704 LESS THAN 20.0 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
50.3	38.2	1.3	7.2	0.3	0.5	0.9

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