

## RESCOCAST 17SPG

RESCOCAST 17SPG IS A 60% ALUMINA GUNNING GRADE REFRACTORY FORMULATED TO RESULT IN LOW REBOUND LOSS AND EXCELLENT PHYSICAL PROPERTIES. 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.) (1600°C)

BULK DENSITY

@ 110°C	138 - 147	LBS/FT <sup>3</sup>	2210 - 2350	KG/M <sup>3</sup>
@ 815°C	130 - 139	LBS/FT <sup>3</sup>	2080 - 2225	KG/M <sup>3</sup>

COLD CRUSHING STRENGTH

@ 815°C	3500 - 6500	P.S.I.	241 - 448	KG/CM <sup>2</sup>
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PERMANENT LINEAR CHANGE

Green to dried @ 110°C	0.0 TO - 0.1 %
@ 815°C	0.0 TO - 0.4 %

EROSION LOSS (ASTM C-704)

@ 815°C	Less than 20.0 CC
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TYPICAL CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	7.5	1.08
@ 815°C	7.8	1.12
@ 1095°C	7.9	1.14

TYPICAL CHEMICAL ANALYSIS (%)

AL <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	TiO <sub>2</sub>	ALK
60.2	31.6	0.9	4.9	0.1	1.6	0.4

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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