

RESCOCAST 1200HSG

RESCOCAST 1200HSG IS A HIGH STRENGTH CORDIERITE BASED GUN MIX WITH A HIGH RESISTANCE TO THERMAL SPALLING AND EROSION. 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.) (1200°C)

BULK DENSITY

@ 110°C	120 - 130	LBS/FT ³	1922 - 2082	KG/M ³
@ 815°C	112 - 122	LBS/FT ³	1794 - 1954	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	4000 - 7000	P.S.I.	280 - 490	KG/CM ²
@ 1095°C	3000 - 6000	P.S.I.	210 - 420	KG/CM ²

COLD MODULUS OF RUPTURE

@ 540°C	800 - 1000	P.S.I.	56 - 70	KG/CM ²
@ 815°C	700 - 1000	P.S.I.	49 - 70	KG/CM ²

PERMANENT LINEAR CHANGE

@ 815°C	- 0.1 to - 0.3 %
@ 1095°C	- 0.2 to - 0.4 %

EROSION LOSS (ASTM C-704)

LESS THAN 20.0 CC

TYPICAL CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C (1000°F)	6.0	0.85
@ 815°C (1500°F)	6.6	0.92
@ 1095°C (2000°F)	7.1	1.00

TYPICAL CHEMICAL ANALYSIS (%)

AL₂O₃	SiO₂	Fe₂O₃	CaO/MgO	TiO₂	AIK
46.0	39.7	1.6	10.6	1.3	0.9

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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet