RESCO
PRODUCTS (UK) LTD

INSULATING CASTABLES

PRODUCT DATA

RESCOCAST 9

RESCOCAST 9 COMBINES THE QUALITIES OF AN INSULATING AND GENERAL DUTY CASTABLE. GOOD PROTECTION AGAINST HEAT LOSS AND HIGH STRENGTH HAVE MADE THIS PRODUCT AN IDEAL CHOICE FOR THE GUNNING OF REGENERATOR AND REACTOR WALLS.

CAST DATA:

MAXIMUM SERVICE TEMPERATURE (M.S.T.) 2600°F (1427°C)

BULK DENSITY

After 1500°F @ (815°C) 90 LBS/FT^3 (1442 KG/M^3)

COLD CRUSHING STRENGTH

After 1500°F @ (815°C) 600 - 2000 P.S.I. (42 - 140 KG/CM^2)

PERMANENT LINEAR CHANGE

Green to 1500°F (815°C) 0.0 TO - 0.4 %
230°F to 1500°F (110-815°C) 0.0 TO - 0.3 %

APPARENT POROSITY

After 1000°F (540°C) 43%

CONDUCTIVITY OR "K" FACTOR

MEAN TEMP	BTU/FT^2/HR/°F/IN	W/mK
@ 260°C (500°F)	3.8	0.55
@ 540°C (1000°F)	3.3	0.48
@ 815°C (1500°F)	3.6	0.52

TYPICAL CHEMICAL ANALYSIS (%)

AL_2O_3	SiO_2	Fe_2O_3	CaO	MgO	TiO_2	AlK
40.0	39.8	3.3	10.6	0.7	1.1	2.1

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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GUNNED DATA ON PAGE 2

RESCOCAST 9

RESCOCAST 9 CAN ALSO BE READILY APPLIED BY GUNITE APPLICATION. DATA SHOWN ARE AVERAGE RESULTS OF TESTS FOLLOWING THE GUIDE LINES SET FORTH IN ASTM C-903-70 "PREPARING REFRACTORY CONCRETE SPECIMEN'S BY COLD GUNNING".

MAXIMUM SERVICE TEMPERATURE (M.S.T.) 2600°F (1427°C)

BULK DENSITY

After 1500°F @ (815°C) 95 LBS/FT^3 (1520 KG/M^3)

COLD CRUSHING STRENGTH

After 1500°F @ (815°C) 800 - 2200 P.S.I. (56 - 154 KG/CM^2)

PERMANENT LINEAR CHANGE

Green to 1500°F (815°C) 0.0 TO - 0.4 %
230°F to 1500°F (110-815°C) 0.0 TO - 0.3 %

CONDUCTIVITY OR "K" FACTOR

MEAN TEMP	BTU/FT^2/HR/°F/IN	W/mK
@ 260°C (500°F)	4.4	0.64
@ 540°C (1000°F)	3.9	0.57
@ 815°C (1500°F)	4.2	0.61

PACKAGING 25 KG BAGS

APPARENT POROSITY

After 1000°F (540°C) 40%