



EXTREME SERVICE CASTABLES

PRODUCT DATA

RESCOCAST 110HP

RESCOCAST 110HP REFRACTORY HAS BEEN DEVELOPED FOR HANDPACKING PLACEMENT. LOW THERMAL CONDUCTIVITY, HIGH RESISTANCE TO EROSION COMBINED WITH EXCEPTIONAL STRENGTH MAKE THIS PRODUCT IDEAL FOR FCCU APPLICATIONS.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1315°C)

BULK DENSITY

@ 110°C	115 - 120	LBS/FT ³	1842 - 1922	KG/M ³
@ 815°C	108 - 115	LBS/FT ³	1730 - 1842	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	5000 - 9000	P.S.I.	350 - 630	KG/CM ²
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COLD MODULUS OF RUPTURE

@ 815°C	800 - 1200	P.S.I.	56 - 84	KG/CM ²
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PERMANENT LINEAR CHANGE

@ 815°C	0.00 TO - 0.30 %
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EROSION LOSS (ASTM C-704) LESS THAN 12.0 CC

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	0.86
@ 815°C (1500°F)	5.4	0.78

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO/MgO	TiO ₂	AlK
46.1	40.0	1.3	9.6	1.0	1.4

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