



EXTREME SERVICE CASTABLES

PRODUCT DATA

RESCOCAST 110PC

RESCOCAST 110PC IS A REFRACTORY CASTABLE DESIGNED SPECIFICALLY FOR PUMP CASTING APPLICATIONS AND CAN ALSO BE SHOTCRETED. LOW THERMAL CONDUCTIVITY, HIGH RESISTANCE TO EROSION COMBINED WITH EXCEPTIONAL STRENGTH MAKE THIS PRODUCT IDEAL FOR U-BENDS, Y-PIECES AND OTHER CATALYST TRANSFER LINES IN FCCU APPLICATIONS. PUMP CAST DATA:

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	3000 - 8000	P.S.I.	207 - 552	KG/CM ²
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COLD MODULUS OF RUPTURE

@ 815°C	600 - 1000	P.S.I.	41 - 69	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 14.0 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
46.5	40.0	1.5	9.6	1.0	1.4

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