



EXTREME SERVICE CASTABLES

PRODUCT DATA

RESOCOCAST 110C

RESOCOCAST 110C CASTING GRADE REFRACTORY HAS BEEN DEVELOPED FOR MAXIMUM FLOW UNDER VIBRATION WITH AN EXTENDED WORKING TIME. 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.

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

Green to Dried @ 110°C	0.0 TO - 0.1 %
@ 815°C	0.0 TO - 0.3 %

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 (%)

AL₂O₃	SiO₂	Fe₂O₃	CaO/MgO	TiO₂	AIK
44.8	40.0	1.7	9.9	0.9	1.7

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