

RESCOCAST 17AC

RESCOCAST 17AC IS A VERY HIGH PURITY, LOW IRON, LOW SILICA HYDRAULIC SETTING CASTABLE FOR HIGH TEMPERATURE APPLICATIONS. LOW IRON AND LOW SILICA CONTENTS OF LESS THAN 0.2 PERCENT MAKES RESCOCAST 17AC AN IDEAL CHOICE FOR REDUCING ATMOSPHERES SUCH AS HYDROGEN AND / OR CARBON MONOXIDE AND PROVIDES EXCELLENT RESISTANCE TO SLAGS AND HIGH TEMPERATURE CORROSIVE ATMOSPHERES. THIS IS A CASTING GRADE PRODUCT WHICH HAS AN EXTENDED WORKING TIME IDEAL FOR VIBRATE CASTING.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1870°C)

BULK DENSITY

@ 110°C	172 - 178	LBS/FT ³	2755 - 2851	KG/M ³
@ 815°C	166 - 172	LBS/FT ³	2659 - 2755	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	8000 - 12000	P.S.I.	560 - 845	KG/CM ²
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PERMANENT LINEAR CHANGE

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

EROSION LOSS (ASTM C-704) 12.0 CC (Max)

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>W/mK</u>	<u>BTU/ft³/HR/°F/in</u>
@ 540°C	1.56	10.8
@ 815°C	1.41	9.8
@ 1095°C	1.40	9.7

TYPICAL CHEMICAL ANALYSIS (%)

AL₂O₃	SiO₂	Fe₂O₃	CaO	MgO	AlK
95.0	0.1	0.1	4.5	0.1	0.2

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