

RESCOCAST 17AC(HT)

RESCOCAST 17AC(HT) is a very high purity low iron, low silica, hydraulic setting castable with a maximum service temperature of 1870°C. RESCOCAST 17AC(HT) is an ideal choice for reducing atmospheres such as hydrogen and/or carbon monoxide. This is a casting grade product which has an extended working time ideal for vibration casting.

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

BULK DENSITY

After 110°C	172 - 180	LBS/FT ³	2755 - 2885	KG/M ³
After 815°C	164 - 172	LBS/FT ³	2625 - 2755	KG/M ³

COLD CRUSHING STRENGTH

After 815°C	7000 - 12000	P.S.I.	490- 840	KG/CM ²
After 1510°C	8000 - 14000	P.S.I.	560- 980	KG/CM ²

COLD MODULUS OF RUPTURE

After 815°C	1200 - 1800	P.S.I.	86 - 125	KG/CM ²
After 1510°C	1800 - 2200	P.S.I.	125 - 155	KG/CM ²

PERMANENT LINEAR CHANGE

110°C to 815°C	- 0.0 TO - 0.3 %
110°C to 1510°C	- 0.9 TO - 1.5 %

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>W/mK</u>
@ 540°C	2.66
@ 815°C	2.61
@ 1095°C	2.64

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	AlK
94.3	0.1	0.1	4.9	0.05	0.4

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. RESCO PRODUCTS disclaims any expressed or implied warranties based on this sheet. 01/08/13 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet