

RESCOCAST 10(SP)

RESCOCAST 10(SP) is a low iron, Casting grade Insulating castable with extremely high erosion resistance and strengths for a product of this density. Its low iron content makes it suitable for most furnace atmospheres including CO boilers.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) 1540°C

<u>BULK DENSITY</u>					<u>TYPICAL (Metric)</u>
@ 110°C	107 - 115	LBS/FT ³	1714 - 1842	KG/M ³	(1778)
@ 815°C	97 - 105	LBS/FT ³	1554 - 1682	KG/M ³	(1618)

<u>COLD CRUSHING STRENGTH</u>					
@ 110°C	7250 - 10000	P.S.I.	500 - 690	KG/CM ²	(595)
@ 815°C	7250 - 9000	P.S.I.	500 - 620	KG/CM ²	(590)
@ 1095°C	4350 - 6000	P.S.I.	300 - 414	KG/CM ²	(357)

<u>COLD MODULUS OF RUPTURE</u>					
@ 815°C	1160 - 1300	P.S.I.	80 - 90	KG/CM ²	(85)

<u>PERMANENT LINEAR CHANGE</u>					
@ 110°C TO 815°C			- 0.10 TO - 0.40 %		(-0.20)

<u>EROSION LOSS (ASTM C-704)</u>					
			LESS THAN 12 CC		(10 CC)

TYPICAL CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	4.2	0.58
@ 815°C	4.5	0.65

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Na ₂ O
53.5	33.9	0.4	10.7	0.2	1.0	0.2

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