

RESCOCAST 6LI(PC)

RESCOCAST 6LI(PC) IS A HIGH STRENGTH, LOW IRON, SPECIAL MEDIUM-WEIGHT HEAT INSULATING CASTABLE DESIGNED PRIMARILY FOR USE IN THE PETROCHEMICAL INDUSTRY WHERE HIGHER STRENGTH AND TEMPERATURE REQUIREMENTS ARE NEEDED. RESCOCAST 6LI(PC) IS FOR PUMP CASTING APPLICATIONS ONLY .

PUMP-CAST DATA:

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1315°C)

BULK DENSITY

@ 110°C	75 - 82	LBS/FT ³	1200 - 1315	KG/M ³
@ 815°C	67 - 74	LBS/FT ³	1073 - 1185	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	1100 - 1600	P.S.I.	76 - 110	KG/CM ²
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COLD MODULUS OF RUPTURE

@ 815°C	200 - 500	P.S.I.	14 - 35	KG/CM ²
@ 1095°C	200 - 500	P.S.I.	14 - 35	KG/CM ²
@ M.S.T.	600 - 800	P.S.I.	41 - 55	KG/CM ²

PERMANENT LINEAR CHANGE

@ 815°C	- 0.10 TO - 0.30 %
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CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/HR/°F/IN</u>	<u>W/mK</u>
@ 260°C (500°F)	2.70	0.39
@ 540°C (1000°F)	2.85	0.31
@ 815°C (1500°F)	3.00	0.43
@ 1095°C (2000°F)	3.20	0.46

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ALK
48.7	36.0	0.8	11.4	0.4	0.5	1.2

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