

## RESOCAST 17P

*RESOCAST 17P is a gunning grade monolithic designed to have minimum shrinkage values and better volume stability. It is used where high strength and erosion resistance are required, such as in circulating fluid bed units. Resocast 17P has been formulated for gunite application with minimum rebound losses and uniform flow through the nozzle. Data shown are average results of tests following the guidelines set forth in ASTM C-903 70 "Preparing Refractory Concrete Specimens by Cold Gunning".*

**MAXIMUM SERVICE TEMPERATURE (M.S.T.)** 1370°C

**BULK DENSITY**

@ 815°C                      127 - 132                      LBS/FT<sup>3</sup>                      2030 - 2110                      KG/M<sup>3</sup>

**COLD CRUSHING STRENGTH**

@ 540°C                      6000 - 10000                      P.S.I.                      420 - 700                      KG/CM<sup>2</sup>  
 @ 815°C                      6000 - 10000                      P.S.I.                      420 - 700                      KG/CM<sup>2</sup>  
 @ 1090°C                      4500 - 7000                      P.S.I.                      315 - 350                      KG/CM<sup>2</sup>

**COLD MODULUS OF RUPTURE**

@ 540°C                      800 - 1200                      P.S.I.                      56 - 84                      KG/CM<sup>2</sup>  
 @ 815°C                      800 - 1200                      P.S.I.                      56 - 84                      KG/CM<sup>2</sup>  
 @ 1090°C                      700 - 1100                      P.S.I.                      49 - 77                      KG/CM<sup>2</sup>

**PERMANENT LINEAR CHANGE**

@ Green to 540°C    0.00 TO - 0.30 %  
 @ Green to 1095°C    0.00 TO - 0.30 %

**EROSION LOSS ASTM C-704**                      LESS THAN 20.0 CC

**CONDUCTIVITY OR "K" FACTOR**

	<u>BTU/ft<sup>2</sup>/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	7.2	1.01
@ 815°C	7.5	1.05
@ 1095°C	7.6	1.06

**TYPICAL CHEMICAL ANALYSIS (%)**

AL <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	Alk	TiO <sub>2</sub>
50.7	43.0	0.8	3.9	0.1	0.2	1.3

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

