

RESCOCAST 17M

RESCOCAST 17M IS A MULTIPUPOSE CASTABLE WITH EXCELLENT THERMAL SHOCK RESISTANCE. IT HAS HIGH STRENGTH AND A RELATIVLY LOW IRON CONTENT.
CAST DATA:

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1400°C)

BULK DENSITY

@ 110°C	115 - 120	LBS/FT ³	1842 - 1922	KG/M ³
@ 815°C	108 - 115	LBS/FT ³	1730 - 1842	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	6000 - 9000	P.S.I.	350 - 620	KG/CM ²
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COLD MODULUS OF RUPTURE

@ 815°C	1000 - 1800	P.S.I.	69 - 124	KG/CM ²
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PERMANENT LINEAR CHANGE

@ 815°C	- 0.10 TO - 0.30 %
@ 1400°C	- 1.00 TO - 1.50 %

EROSION LOSS (ASTM C-704) LESS THAN 20.0 CC

APPARENT POROSITY 35% @ 540°C

CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C (1000°F)	5.0	0.71
@ 815°C (1500°F)	5.6	0.80
@ 1095°C (2000°F)	6.1	0.87

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	TiO ₂	ALK
48.8	37.7	1.8	7.5	1.0	0.3

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