

**RESCOCAST 9MI**

*RESCOCAST 9MI COMBINES THE QUALITIES OF AN INSULATING AND GENERAL DUTY CASTABLE. GOOD PROTECTION AGAINST HEAT LOSS AND HIGH STRENGTH HAVE MADE THIS PRODUCT AN IDEAL CHOICE FOR THE GUNNING OF REGENERATOR AND REACTOR WALLS.*

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

**BULK DENSITY**

After 110°C	93 - 100	LBS/FT <sup>3</sup>	1490 - 1602	KG/M <sup>3</sup>
After 815°C	86 - 93	LBS/FT <sup>3</sup>	1377 - 1490	KG/M <sup>3</sup>

**COLD CRUSHING STRENGTH**

After 815°C	600 - 1000	P.S.I.	42 - 70	KG/CM <sup>2</sup>
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**COLD MODULUS OF RUPTURE**

After 815°C	150 - 300	P.S.I.	10 - 21	KG/CM <sup>2</sup>
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**PERMANENT LINEAR CHANGE**

Green to 110°C	0.0 TO - 0.1 %
110°C to 815°C	0.0 TO - 0.3 %

**CONDUCTIVITY OR "K" FACTOR**

<u>MEAN TEMP</u>	<u>BTU/FT<sup>2</sup>/HR/°F/IN</u>	<u>W/mK</u>
@ 260°C (500°F)	3.8	0.55
@ 540°C (1000°F)	3.3	0.48
@ 815°C (1500°F)	3.6	0.52

**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	TiO <sub>2</sub>	ALK
38.4	42.9	1.9	10.9	0.4	1.2	2.1

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

