

PRODUCT DATA



Extreme Service Castables

Gunned Data

Brand Name: Rescocast 17EG

Description: RESCOCAST 17EG is an erosion resistant gunning mix refractory that has been formulated to have improved gunning characteristics and excellent physical properties. Data shown below are average results of tests following the guidelines set forth in ASTM C-903 "Preparing Refractory Concrete Specimens by Cold Gunning".

Maximum Service Temperature 2750°F (1510°C)

(Based on Gunned Samples)

Bulk Density (lb/ft³)

After 230°F (110°C)	135	(2160 kg/m ³)
After 1500°F (815°C)	128	(2048 kg/m ³)

Cold Crushing Strength (lb/in²)

After 1500°F (815°C)	5,000 to 10,000	(350-700 kg/cm ²)
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Permanent Linear Change (%)

Green to 1500°F (815°C)	0.0 to -0.4
230°F (110°C) to 1500°F (815°C)	0.0 to -0.3

Erosion Loss using ASTM C-704 Method

After 1500°F (815°C)	14cc (Maximum)
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Thermal Conductivity or "K" Factor

Mean Temperature	BTU/ft ² /Hr/°F/in.	W/mK
500°F (260°C)	8.5	1.23
1000°F (540°C)	8.2	1.19
1500°F (815°C)	8.4	1.22

Typical Chemical Analysis (%)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Alkalies
48.2	36.4	1.3	1.9	11.7	0.2	0.3

Brand Code 1566, Typical Shelf Life 12 Months

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions (using standard rectangular shapes), 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.

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PRODUCT DATA



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Cast Data

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RESCOCAST 17EG is an erosion resistant gunning mix that has been cast in the laboratory as a means of testing and controlling the quality of the product. It is not recommended that the material be applied in the field by casting application methods. Test results shown below are for LABORATORY RAMMED SPECIMENS ONLY.

<u>Sample Preparation Method:</u>	Rammed	
Typical Water Content (Ram)	9.3 %	
<u>Bulk Density (pcf)</u>		
After 230°F (110°C) :	141	(2256 kg/m ³)
After 1500°F (815°C) :	133	(2128 kg/m ³)
<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C) :	6,000 to 13,000	(420-910 kg/cm ²)
<u>Permanent Linear Change (%)</u>		
Green to 1500°F (815°C)	0.0 to -0.4	
230°F (110°C) to 1500°F (815°C)	0.0 to -0.3	
<u>Abrasion Resistance using ASTM C-704 Method</u>		
After 1500°F (815°C) :	14cc maximum	

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