



PRODUCT DATA

Brand Name:

RESCOCAST 17EMC

Description: RESCOCAST 17EMC is a thermal shock resistant castable with low thermal conductivity and moderate abrasion resistance. This product should be installed using vibration casting methods.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 2500°F (1370°C)

Cast Data

Bulk Density (pcf)

After 220°F (105°C)	116	(1.86 g/cm ³)
After 1500°F (815°C)	106	(1.70 g/cm ³)

Cold Crushing Strength (psi)

After 1500°F (815°C)	7000	(490 kg/cm ²)
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Thermal Conductivity (K Factor)

	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
1000°F (538°C)	5.0	0.71
1500°F (815°C)	5.6	0.81
2000°F (1095°C)	6.1	0.88

Permanent Linear Change (%)

After 1500°F (815°C)	-0.3 to 0.0
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Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	54.8
Silica (SiO ₂)	36.2
Iron Oxide (Fe ₂ O ₃)	0.7
Magnesia+Lime (MgO+CaO)	8.0
Alkalies (Na ₂ O+K ₂ O)	0.3

Standard Packaging: 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 0303

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (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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03/14/17 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.

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