



PRODUCT DATA

Brand Name: RESCOCAST 17EC

Description: RESCOCAST 17EC is a casting grade refractory that has been vibrated in U-Bends, Y-Sections, overhead lines, and other catalyst transfer lines throughout the world. Extended working time and ease of placement with vibration has made RESCOCAST 17EC the "Specified" material. Resco Quality Control monitors erosion testing results, thus guaranteeing a product that meets severe petrochemical service conditions.

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

Typical Water Required for Mixing (by weight) : 9.0%
Recommended Mixing Time: 6 - 8 Minutes
Maximum Service Temperature: 2750°F (1510°C)

Cast Data

<u>Bulk Density (pcf)</u>		
After 220°F (105°C)	137	(2.19 g/cm ³)
After 1500°F (815°C)	130	(2.08 g/cm ³)

<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	9500	(665 kg/cm ²)

<u>Thermal Conductivity (K Factor)</u>	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
500°F (260°C)	8.8	1.28
1000°F (538°C)	8.5	1.23
1500°F (815°C)	8.7	1.26

<u>Permanent Linear Change (%)</u>	
Green to 1500°F (815°C)	-0.4 to 0.0

<u>Abrasion Loss (using ASTM C-704 Method)</u>	
After 1500°F (815°C)	10 cc (max)

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	51.1
Silica (SiO ₂)	39.9
Iron Oxide (Fe ₂ O ₃)	0.7
Titania (TiO ₂)	1.2
Magnesia+Lime (MgO+CaO)	6.8
Alkalies (Na ₂ O+K ₂ O)	0.3

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

Brand Code: 0298

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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