



# PRODUCT DATA

Brand Name:

## RESCOCAST 17EPC

Description: RESCOCAST 17EPC is the pumpable version of Rescocast 17EC. This pumpable product can be installed in many refinery applications that currently use Rescocast 17EC, such as riser lines, overhead lines, Y-sections, U-bends, and other catalyst transfer lines in petrochemical refineries

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

Maximum Service Temperature: 2750°F (1510°C)

Typical Water Required for Mixing (by weight) :

Pump Casting ..... 11.0%

<u>Bulk Density (pcf)</u>	<u>Pump Cast Data</u>	
After 220°F (105°C)	133	(2.13 g/cm <sup>3</sup> )
After 1500°F (815°C)	130	(2.08 g/cm <sup>3</sup> )
<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	7750	(543 kg/cm <sup>2</sup> )
<u>Thermal Conductivity (K Factor)</u>		
Mean Temperature	<u>BTU/ft<sup>2</sup>/hr./°F/inch</u>	<u>W/mK</u>
500°F (260°C)	6.8	0.98
1000°F (540°C)	6.9	0.99
1500°F (815°C)	7.7	1.11

Permanent Linear Change (%)

After 1500°F (815°C) -0.4 to 0.0

Abrasion Loss (using ASTM C-704 Method)

After 1500°F (815°C) Less than 14 cc

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	50.6
Silica (SiO <sub>2</sub> ) .....	40.7
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.7
Titania (TiO <sub>2</sub> ) .....	1.2
Lime (CaO) .....	5.7
Magnesia (MgO) .....	0.8
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.3

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

Brand Code: 0306

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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