PRODUCT DATA



Brand Name:

RESCOCAST 3APC

Description: RESCOCAST 3APC is a lightweight, low iron insulating castable and is applied in applications where reducing atmospheres are present. RESCOCAST 3APC can be installed either by casting, pumpcasting, or shotcreting methods. When shotcreting, RESCO SC-1 is the preferred shotcrete activator.

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)

Typical Water Required for Mixing (by weight) : Pump Cast		
	Pump Cast Data	
Bulk Density (pcf)		
After 1500°F (815°C)	62	(0.99 g/cm ³)
Cold Crushing Strength (psi)		
After 1500°F (815°C)	400	(28 kg/cm ²)
Thermal Conductivity (K Factor)		
Mean Temperature	BTU/ft ² /hr./°F/inch	<u>W/mK</u>
500°F (260°C)	1.40	0.20
1000°F (540°C)	1.60	0.23
1500°F (815°C)	1.70	0.25
Permanent Linear Change (%)		
230°F (110°C) to 1500°F (815°C)	-0.1 to -0.5	
Typical Chemical Analysis (%)		
(Calcined Basis)		
Alumina (Al ₂ O ₃)		
Silica (SiO ₂)	44.6	
Iron Oxide (Fe ₂ O ₃)	. 1.0	
Titania (TiO ₂)		
Lime (CaO)		
Magnesia (MgO)		
Alkalies (Na ₂ O+K ₂ O)	1.2	

Standard Packaging: 50 lb bag. 50 bags per pallet. Bulk packaging available.

Brand Code: 0326

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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

01/17/2020 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.

One Robinson Plaza - Suite 300, 6600 Steubenville Pike, Pittsburgh, PA, 15205 Phone: 888-283-5505