



General Duty Castables

Product Data

RESCOCAST 17

RESCOCAST 17 is a high temperature, high purity castable providing high strength and erosion resistance throughout its entire temperature range. It also has erosion resistant properties equal to those in the extreme service group of castables. Good physical properties and ease of application have made it a universally used product throughout all industries where high temperature and high strength are requirements.

Maximum Service Temperature: 3000°F (1650°C)
Bulk Density: 133 lb/ft³ (2128 kg/m³)

Cold Crushing Strength:

1500°F (815°C)	6500- 8500 psi (455-595 kg/cm ²)
2500°F (1370°C)	7000-10000 psi (490-700 kg/cm ²)
2750°F (1510°C)	7000-10000 psi (490-700 kg/cm ²)

Modulus of Rupture:

1500°F (815°C)	1200-1500 psi (85-105 kg/cm ²)
2500°F (1370°C)	1500-1800 psi (105-126 kg/cm ²)
2750°F (1510°C)	1700-2000 psi (119-140 kg/cm ²)

Permanent Linear Change(%)

1500°F (815°C)	0.0 to -0.3
2500°F (1370°C)	-0.5 to -1.0
2750°F (1510°C)	-0.7 to -1.4

Erosion Loss: ASTM C-704 Less than 15.0 cc

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	6.50	0.94
1500°F (815°C)	6.95	1.00
2000°F (1095°C)	7.35	1.06

Typical Chemical Analysis(%)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
53.2	40.2	0.7	4.3	0.2	1.2	0.2

Standard Packaging: 72-55 lb. bags per pallet

The properties shown on this data sheet represent typical average results generated 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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