



General Duty Castables

Product Data

PACOCAST 60C

PACOCAST 60C is a high temperature, high alumina, hydraulic setting castable. It can be vibration cast or cast at a ball-in-hand consistency.

Maximum Service Temperature: 3100°F (1700°C)

Bulk Density: 133-139 lbs/ft³ (2128-2224 kg/m³)

Cold Crushing Strength:

1500°F (815°C)	3500-5500 psi (245-385 kg/cm ²)
2500°F (1370°C)	4000-8000 psi (280-560 kg/cm ²)
2750°F (1510°C)	4000-8000 psi (280-560 kg/cm ²)
2910°F (1600°C)	3500-6000 psi (245-420 kg/cm ²)

Modulus of Rupture:

1500°F (815°C)	650- 900 psi (46-63 kg/cm ²)
2500°F (1370°C)	900-1200 psi (63-84 kg/cm ²)
2750°F (1510°C)	950-1150 psi (67-81 kg/cm ²)

Permanent Linear Change(%):

1500°F (815°C)	-0.2 to +0.1
2000°F (1095°C)	-0.2 to +0.1
2500°F (1370°C)	+0.3 to +0.7
2750°F (1510°C)	0.0 to +0.4

Thermal Conductivity or “K” Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	7.2	1.04
1500°F (815°C)	7.5	1.08
2000°F (1095°C)	7.9	1.14

Erosion Loss: ASTM C-704 Less than 15.0 cc

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
62.6	31.7	0.9	2.7	0.2	1.6	0.3

Standard Packaging: 42 - 80 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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