



General Duty Castables

Product Data

PACOCAST 28LI COARSE GRAIN

PACOCAST 28LI COARSE GRAIN offers the qualities of a Pyrophyllite/Andalusite mineral based composition in a coarse grained package. Maximum aggregate size in this product is 1/2 to 3/4 of an inch. **Pacocast 28LI Coarse Grain** is designed for use in applications where mechanical abuse and impacts are common.

Maximum Service Temperature: 2800°F (1540°C)

Bulk Density:

After 1500°F (815°C): 123- 133 lbs/ft³ (1968-2128 kg/m³)

Cold Crushing Strength:

After 1500°F (815°C): 3000- 5000 psi (210-350 kg/cm²)

After 2500°F (1370°C): 2500- 5500 psi (175-386 kg/cm²)

Modulus of Rupture:

After 1500°F (815°C); 200- 600 psi (14-42 kg/cm²)

After 2500°F (1370°C): 300- 700 psi (21-50 kg/cm²)

Permanent Linear Change (%)

After 1500°F (815°C) -0.1 to +0.2

After 2000°F (1095°C) -0.1 to +0.2

After 2500°F (1370°C) -0.4 to 0.0

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	4.60	0.66
1500°F (815°C)	4.90	0.71
2000°F (1095°C)	5.40	0.78

Typical Chemical Analysis(%)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alk.
43.0	48.8	1.0	5.7	Tr.	1.4	0.1

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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