



General Duty Castables

Product Data

PACOCAST 24

PACOCAST 24 is a pyrophyllite/andalusite-based castable having good hot load characteristics. This unique combination of minerals has proven superior to other calcined materials when subjected to long-term hot load deformation. Negligible shrinkage at higher temperature makes it an ideal choice for most general duty applications.

Maximum Service Temperature: 2400°F (1316°C)

Bulk Density:
After 1500°F (815°C): 116 lbs/ft³ (1856 kg/m³)

Cold Crushing Strength:
After 1500°F (815°C): 1500-2500 psi (105-175 kg/cm²)
After 2500°F (1370°C): 1500-3000 psi (105-210 kg/cm²)

Modulus of Rupture:
After 1500°F (815°C) 200-400 psi (14-28 kg/cm²)
After 2500°F (1370°C) 300-500 psi (21-35 kg/cm²)

Permanent Linear Change(%):
After 2000°F (1095°C) -0.1 to +0.2
After 2500°F (1370°C) 0.0 to +2.0

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	4.20	0.61
1500°F (815°C)	4.60	0.66
2000°F (1095°C)	5.10	0.74

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
36.2	51.6	1.4	6.7	2.3	1.5	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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02/28/08 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

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PACOCAST 24

GUNNED DATA

<u>Maximum Service Temperature:</u>	2400°F (1316°C)
<u>Bulk Density:</u> After 1500°F (815°C):	105-115 lbs/ft ³ (1680-1840 kg/m ³)
<u>Cold Crushing Strength:</u> After 1500°F (815°C) After 2500°F (1370°C)	1200-2500 psi (84-175 kg/cm ²) 1500-3000 psi (105-210 kg/cm ²)
<u>Modulus of Rupture:</u> After 1500°F (815°C) After 2500°F (1370°C)	150-400 psi (11-28 kg/cm ²) 300-500 psi (21-35 kg/cm ²)
<u>Permanent Linear Change(%):</u> After 1500°F (815°C) After 2000°F (1095°C) After 2500°F (1370°C)	-0.2 to +0.1 -0.1 to +0.2 0.0 to +2.0