

General Duty Castables

Product Data

PACOCAST 28LI

PACOCAST 28LI combines the qualities of a Pyrophyllite/Andalusite mineral based composition with excellent gunning characteristics. This product can be gunned without predampening. Its low iron content makes it ideal for higher temperatures and reducing atmospheres.

CAST DATA

Maximum Service Temperature:	2800°F (1540°C)
Bulk Density:	122-132 lbs/ft ³ (1920-2080 kg/m ³)
Cold Crushing Strength:	
After 1500°F (815°C):	2500-5500 psi (140-280 kg/cm ²)
After 2500°F (1370°C):	3500-4500 psi (140-280 kg/cm ²)
After 2750°F (1510°C):	4000-5000 psi (350-490 kg/cm ²)
Modulus of Rupture:	
After 1500°F (815°C):	200- 400 psi (21- 49 kg/cm ²)
After 2500°F (1370°C):	700-1000 psi (50- 70 kg/cm ²)
After 2750°F (1510°C):	1400-1800 psi (70-105 kg/cm ²)
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):	0.0 to +0.2
After 2750°F (1510°C):	-0.1 to +0.2

Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	4.6	0.66
1500°F (815°C)	4.9	0.71
2000°F (1095°C)	5.4	0.78

Typical Chemical Analysis(%):

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

Standard Packaging: 42 - 80 lb. bags per pallet

Data shown are average results of standard ASTM tests unless otherwise noted. Results may vary subject to normal variations in manufacturing, testing and installation procedures in the field.