



Insulating Castables

Cast Data

QUIKLITE 3-35P

QUIKLITE 3-35P is an insulating castable with an operating temperature up to 2000°F, and a good strength to density ratio. It can be used as an insulating material in two component linings and also as a single component lining, where erosive conditions are not too severe. After the final set, this unique insulating castable can be heated without the traditional ramp-and-hold heating schedule. This product can be installed by casting or gunning methods

Maximum Service Temperature: 2000°F (1095°C)

Bulk Density:
After 1500°F (815°C) : 24- 31 pcf (384- 496 kg/m³)

Cold Crushing Strength:
After 1500°F (815°C) 60- 100 psi (4- 7 kg/cm²)

Permanent Linear Change(%):
After 1500°F (815°C) -0.5 to -1.3

Thermal Conductivity or "K" Factor:		
Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
500°F (260°C)	0.95	0.14
1000°F (540°C)	1.05	0.15
1500°F (815°C)	1.15	0.17

Typical Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	Alkalies
37.3	28.2	3.7	18.9	6.9	1.2	3.8

Standard Packaging: 50- 25 lb. bags per pallet (bulk packaging available)

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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05/04/12 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

GUNNED DATA SHOWN ON PAGE 2

Insulating Castables – page 2

Gunned Data



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GUNNED DATA

Data shown are the average results of tests following the guidelines set forth in ASTM C-903, "Preparing Refractory Castable Specimens by Cold Gunning." Results will vary subject to normal variations in manufacturing, testing and installation procedures in the field.

Maximum Service Temperature: 2000°F (1095°C)

Bulk Density:
After 1500°F (815°C) 30- 35 pcf (480-560 kg/m³)

Cold Crushing Strength:
After 1500°F (815°C) 100-200 psi (7-14 kg/cm²)

Permanent Linear Change(%):
After 1500°F (815°C) -0.5 to -1.3

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
500°F (260°C)	1.05	0.15
1000°F (540°C)	1.15	0.16
1500°F (815°C)	1.25	0.18