

Alumina Gel Binder

LIALUGEL

1 Introduction

The CaO-free alumina gel binder is used in low-cement/cement-free castable for better thermal performance, stronger slag erosion resistance as well as demolding strength. Its reactivity helps refractory to reach better sintering performance, improving medium and high temperature strength.

Instruction: 4%-6% by weight, depending on the specific situation.

2 Application

Proven record of customer satisfaction in a variety of applications:

Carbon-free alumina magnesia precast bricks, RH, CAS, UT impregnated tubes, steel sprayed argon blown spray guns. cement-free corundum magnesia-based castable.



3 Pictures



4 Package and storage

Convenient packages of 25kg paper/plastic woven bag as well as 1mt bulk bag are available. Other customized packages are provided upon request.

For best product performance and longer shelf life, re-packing is not recommended.

Shelf Life: 3-6months.

5

Chemical & Physical Properties

		Alumina Gel Binder
Item		LIALUGEL80A
Chemical Properties ^[1]		
Al ₂ O ₃	[%]	81.56
MgO	[%]	
CaO	[%]	0.15
SiO ₂	[%]	16.50
Physical Properties ^[2-3]		
≤45um	[%]	99.0
Rupture Strength	[MPa]	11.8

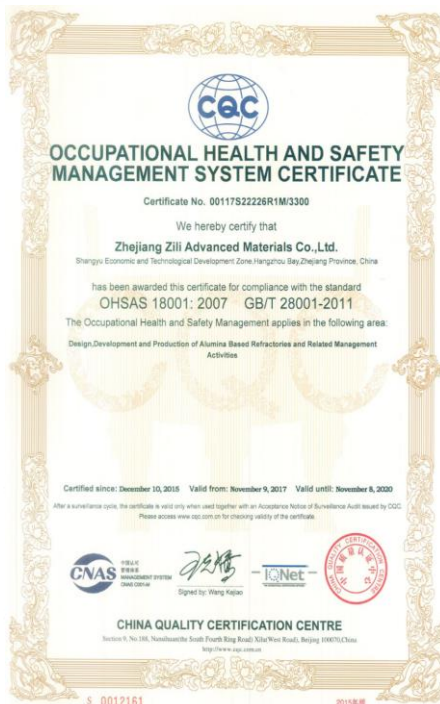
[1]: [1]: Thermal Science X-ray Fluorescence Analyzer and Thermo Fisher Scientific Atomic Absorption Spectrometer are used to measure the chemical composition.

[2]: The method of water-washing and screening the fines is used to measure the fraction of ≤45um

[3]: The method of casting bar samples with a certain formula are fired 110°C for 24H is used to test Rupture strength.

6

Certification



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Shipping



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Contacts for Sales, Technical Service

Zhejiang Zili Advanced Materials Co., Ltd
Add: 338th Baixie Rd, Baiguan Town, Shangyu City,
Zhejiang Province, 312300, China
Tel: +86-0575-82112629
Fax: +86-0575-82112629
Email: sales@zilialutech.com
Web: www.zilialutech.com

Zili USA LLC
Add: 100 Ali Street, Pittsburgh, PA, 15215, USA
Tel: +001-412-418-6676
Email: jsum@ziliref.com