

Tabular Sintered Alumina
LITAL™-99*Product Information***1 Description**

LITAL™-99 is an aggregate of high-purity ($\geq 99\%$), well-sintered ($\geq 1900^\circ\text{C}$) Crystalline alpha alumina with its name derived from its plate-like or tablet-like crystal structure. The calcinations tend to bring tabular alumina excellent thermal shock resistance and spalling resistance by creating small closed air pores ($\leq 10\mu\text{m}$) inside alpha alumina crystal.

2 Product Picture

LITAL™-99



LITAL™-99

3 Feature

High refractoriness ($\geq 1800^\circ\text{C}$), high volume stability, high density, low permeability, high chemical resistance and high mechanical stability

4 Application

Refractory use(steel, foundry, cement, glass, petrochemical, ceramic and waste incineration) and non refractory use (kiln furniture, filter for molten metal, filter for epoxy resins and polyester, insert catalyst supports and heat conductors).

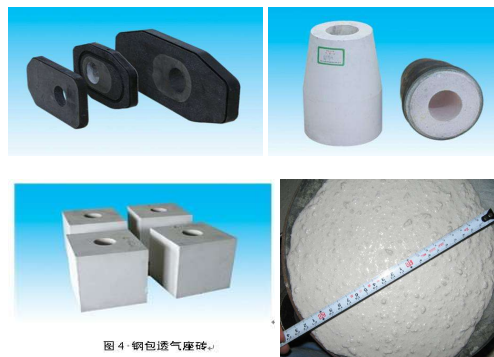


图 4 钢包透气塞球

5 Packaging 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.

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Product Information

6 Chemical & Physical Properties

Chemical Composition (%)	Typical	Max.	Min.
Al ₂ O ₃	99.5		99.2
SiO ₂	0.08	0.1	
Na ₂ O	0.28	0.4	
Fe ₂ O ₃	0.02	0.1	
Fe Magnetic	0.008	0.02	
Physical Properties	Typical	Max.	Min.
Bulk Density (g/cm ³)	3.55		3.52
Apparent Porosity (%)	4.0	5.0	
Water Absorption (%)	1.0	1.5	

7 Particle size distribution (Customized sizes are available upon request)

Fraction	Min./Max	Typical
6-3mm(3-6mesh)		
+6.3mm	0-2	1
+5.0mm	15-45	25
+4.0mm	30-60	45
-2.0mm	0-3	1
3-1mm(6-14mesh)		
+3.36mm	0-2	0.5
+2.0mm	30-60	50
-1.0mm	0-10	1
1-0mm(-14mesh)		
+1.4mm	≤2	0
1.4-1.0mm	8-25	15
1.0-0.5mm	20-40	35
-0.106mm	5-25	18
1-0.5mm(14-28mesh)		
+1.4mm	0-2	1
+1.0mm	2-30	15
+0.71mm	15-55	45
-0.5mm	0-10	2

Fraction	Min./Max.	Typical
0.2-0.6mm(28-48mesh)		
+0.71mm	0-2	1
+0.5mm	2-25	9
+0.25mm	65-95	81
-0.212mm	0-10	5
5-2mm(1/4in-8mesh)		
+5.0mm	0-10	5
+4.0mm	20-55	35
-2.0mm	0-5	1
0.3-0mm (-48 mesh)		
+0.3mm	0-5	1
+0.25mm	0-10	4
+0.125mm	20-55	45
-6.3mm	0-5	-0.045mm
-100Mesh		
+0.15mm	0-10	4
-0.045mm	20-50	45
325Mesh		
+0.063mm	0-2	1
-0.045mm	90-100	95

The above mentioned data represent standards values obtained from our current production line. Guarantees with respect of these data are only valid if agreed upon in writing. We reserve the right to make alterations due to technical developments.

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Certification



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Shipping



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