

**Low Soda Tabular Alumina**  
**LITAL™-99LS***Product Information***1 Description**

LITAL™-99LS is an aggregate of high purity, low soda content (<0.1% Na<sub>2</sub>O), well-sintered ( $\geq 1900\text{ }^{\circ}\text{C}$ ) crystalline alpha alumina with its name derived from the 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™-99LS



LITAL™-99LS

**3 Feature**

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

**4 Application**

Widely used in investment casting, kiln furniture, metal filtration, regeneration burner and technical ceramics.

**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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**6 Chemical & Physical Properties**

Chemical Composition (%)	Typical	Max.	Min.
Al <sub>2</sub> O <sub>3</sub>	99.7		99.5
SiO <sub>2</sub>	0.03	0.1	
Na <sub>2</sub> O	0.07	0.1	
Fe <sub>2</sub> O <sub>3</sub>	0.02	0.04	
Fe Magnetic	0.008	0.02	
Physical Properties	Typical	Max.	Min.
Bulk Density (g/cm <sup>3</sup> )	3.57		3.52
Apparent Porosity(%)	4.0	5.0	
Water Absorption(%)	1.0	1.5	

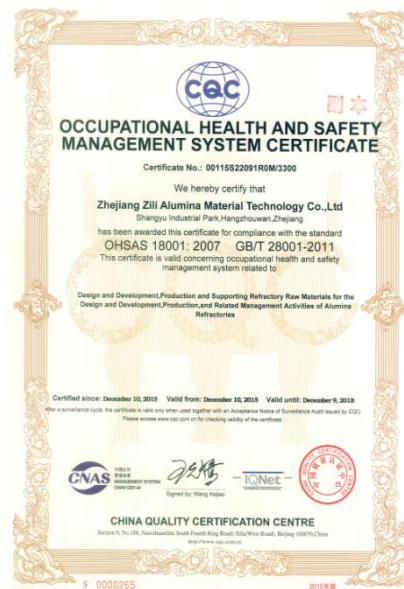
**7 Particle size distribution(Customized sizes are available upon request)**

Fraction	Min./Max	Typical	Fraction	Min./Max.	Typical
6-3mm(3-6mesh)			0.2-0.6mm(28-48mesh)		
+6.3mm	0-2	1	+0.71mm	0-2	1
+5.0mm	15-45	25	+0.5mm	2-25	9
+4.0mm	30-60	45	+0.25mm	65-95	81
-2.0mm	0-3	1	-0.212mm	0-10	5
3-1mm(6-14mesh)			5-2mm(1/4in-8mesh)		
+3.36mm	0-2	0.5	+5.0mm	0-10	5
+2.0mm	30-60	50	+4.0mm	20-55	35
-1.0mm	0-10	1	-2.0mm	0-5	1
1-0mm(-14mesh)			0.3-0mm (-48 mesh)		
+1.4mm	0-2	0	+0.3mm	0-5	3
1.4-1.0mm	8-25	15	+0.25mm	0-12	5
1.0-0.5mm	20-40	35	+0.125mm	10-45	30
-0.106mm	5-25	18	-0.045mm	15-45	30
1-0.5mm(14-28mesh)			-100Mesh		
+1.4mm	0-2	1	+0.15mm	0-10	4
+1.0mm	2-30	15	-0.045mm	20-50	45
+0.71mm	15-55	45	325Mesh		
-0.5mm	0-10	2	+0.063mm	0-2	1
			-0.045mm	95-100	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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Contacts for Sales, Technical Service

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