

ZA25 Alumina Zirconia Blast Media

Technical Data Sheet

11/2024

ZA25 Alumina Zirconia Blast Media

ZA25 Zirconia fused alumina are made from Alumina and Zirconia. Due to its unique microstructure, it is designed for durability and low consumption during blasting and is mainly used for aggressive surface preparation and heavy cleaning tasks.

- Resistant to thermal shock.
- Excellent toughness and self-sharpening ability.
- Sandblasting performance remains consistent.
- High strength even under heavy loads.
- Small crystal size and longer service life.
- Low consumption rate, more economical in the long run.
- No iron contamination, protecting the surface integrity of the workpiece.
- Suitable for dry and wet blasting techniques.

DESIGNATION AND AVAILABLE SIZES

F Sand	μm	F Sand	μm	F Sand	μm	F Sand	μm	F Sand	μm	F Sand	μm
F8	2460	F10	2085	F12	1765	F14	1470	F16	1230	F20	1040
F22	885	F24	745	F30	625	F36	525	F40	438	F46	370
F54	310	F60	260	F70	218	F80	185	F90	154	F100	129
F120	109	F150	82	F180	69	F220	58				

CHEMICAL ANALYSIS

Typical values	ZrO ₂	Al ₂ O ₃	Others
%	24	75	<1

PHYSICAL PROPERTIES

	Numerical Value
Item	ZA25
Specific Gravity	4.30g/cm ³
Bulk density(LPD)	1.85–2.30g/cm ³
Vicker hardness(100g Load)	20 GPa
Melting Point	1940°C
Particle shape	Monoclinical tetragonal
Chemical property	Amphoteric
Reaction with acid and alkali	NO
Maximum service temperature	1600 °
Crystal Size	≤20um
Reaction with carbon	Forming carbide since 1650 °
Color	Gray
Specific heat capacity(cal/g.C)	0.2205(50–500°C)
Heat conductivity	0.2718 cal/cm ² .sec.°C
Linear expansivity (X10–6)	6.82(100–700°C)

MAIN APPLICATIONS

- Suitable for surface treatment of marble and super-hard steel;
- Remove thick contaminants such as rust, scale, and old coatings;
- Manufacture high-grade refractory materials and wear-resistant products;
- Grind and cut tough materials;
- Cleaning hard surfaces and creating rough surface profiles.



JiangSu Henglihong Industrial Co., Ltd.
 Shuofang Industrial Park, Xinwu District,
 Wuxi City, Jiangsu Province
 contact@hlh-js.com
 Phone : +86 180-6835-1533
www.hlh-js.com

PACKAGING

- 25kg drum + pallet/bag
- Larger size bags available on request