

Certificate of Analysis-Zirconia Fused Alumina

General Information

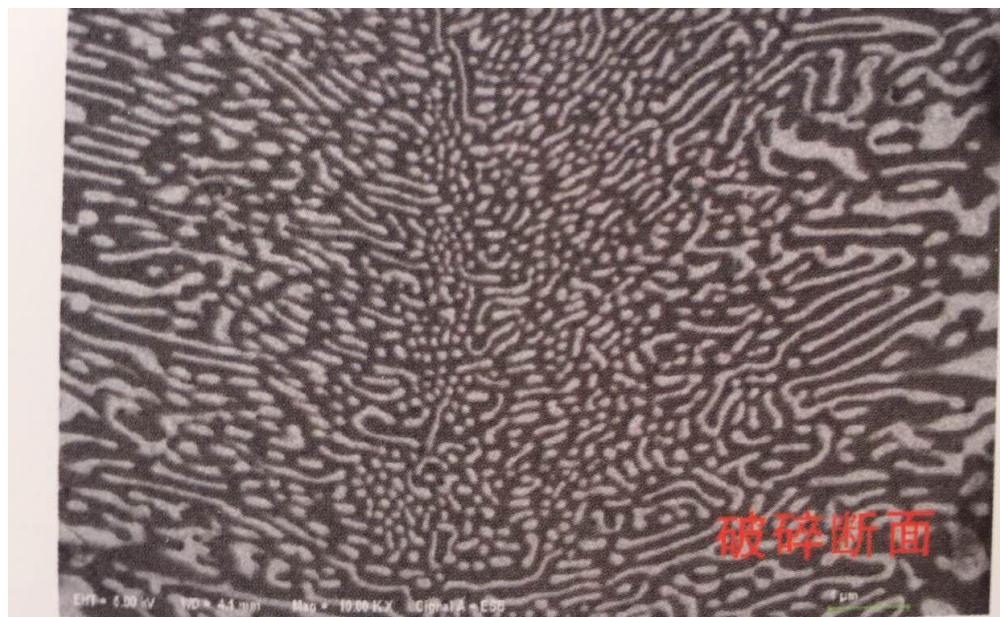
Product	: Zirconia Fused Alumina for Abrasives Tools, Sandblasting
Other Names	: Zirconia Fused Aluminium Oxide, Zirconia Aluminum Oxide, ZA Abrasives
Country of Origin	: China
Manufacturer of Material	: Luoyang Zhongsen Refractory Co.,Limited
Features	: Hard, High Abrasive Ability, Ideal Particle Distribution
Picture of Product:	



Physical Specifications & Package

Specific Gravity	: $\geq 4.3 \text{ g/cm}^3$ for ZA25, $\geq 4.6 \text{ g/cm}^3$ for ZA40
Compression Strength	: $\geq 500\text{N}$
Hardness	: 9 MOSH
Color	: Dark Brown
Melting Point	: 2250°C
Sizes Available	: FEPA F8-F220,P12-P220
Package	: 1 Ton Big Bag, 25kg Bag and 40 Bags on a Pallet

Crystal Structure under Microscope



Bulk Density (can be made subject to requirement of customer)

Size	ZA25	ZA40
F8	2.32-2.24	2.38-2.34
F10	2.26-2.19	2.32-2.28
F12	2.24-2.16	2.30-2.26
F14	2.19-2.14	2.28-2.24
F16	2.18-2.12	2.24-2.18
F20	2.16-2.03	2.21-2.15
F22	2.13-2.02	2.18-2.12
F24	2.10-2.00	2.15-2.09
F30	2.06-1.97	2.12-2.06
F36	2.02-1.95	2.10-2.04
F40	1.99-1.93	2.08-2.01



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F46	1.98-1.90	2.05-1.96
F54	1.96-1.88	2.03-1.92
F60	1.94-1.86	2.00-1.88
F70	1.92-1.83	1.97-1.85
F80	1.89-1.81	1.94-1.83
F90	1.86-1.80	1.91-1.81
F100	1.83-1.77	1.88-1.79
F120	1.80-1.74	1.85-1.76
F150	1.78-1.71	1.82-1.73
F180	1.78-1.68	1.80-1.70
F220	1.75-1.64	1.78-1.70

Chemical Analysis

Item#	Al ₂ O ₃	ZrO ₂	SiO ₂	TiO ₂	Fe ₂ O ₃
ZA25	>70%	23-27%	<0.4%	<0.4%	<0.3%
ZA40	>56%	38-42%	<0.1%	<0.2%	<0.3%

Magnetic Contents

F4-F12,P12	F14-F24,P16-P24	F30-F54,P30-P50	F60-F220,P60-P220
≤ 0.035%	≤ 0.030%	≤ 0.025%	≤ 0.020%