

Luoyang Zhongsen Refractory Co.,Limited Yaowan Village, South Dukang Road, Yichuan County, Luoyang City, Henan Province,P.R.CHINA

TEL: 0086-379-69351288 WEB: www.zhongsen-refractory.com

Certificate of Analysis

High Temperature Calcined Brown Fused Alumina

General Information

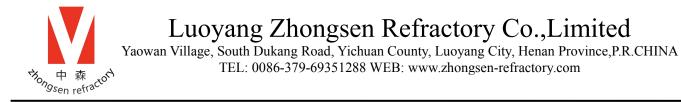
Product	: High Temperature Calcined Brown Fused Alumina for						
Resin Bonded Abrasives, Vitrified Bonded Abrasives, High Grade Abrasive Tolls							
Other Names	: Blue Fire Brown Fused Alumina, Brown Fused Aluminium						
Oxide, Brown Aluminum Oxide, Brown Corundum							
Country of Origin	: China						
Manufacturer of Material	: Luoyang Zhongsen Refractory Co., Limited						
Features	: Chemical Stability, High Cleanness						

Picture of Product:



Physical Specifications & Package

Main Content	: Al2O3(Aluminum Oxide)
Specific Gravity	: \geq 3.90 g /cm3
Bulk Density	: 1.4-2.3 kg / m3
Hardness	: 9 MOSH
Color	: Blue/Dark Blue
Melting Point	: 2300°C
Sizes Available	: F8-F220, F280-F2000, other sizes to request
Package	: Jumbo Bag, 25kg Bag and 40 Bags on a Pallet



Manufacturing & Application

This material is Brown Fused Alumina which is calcined(heated) under 1350°C or 1050°C temperature for 4-8 hours. Through this processing, many substances which are not good for abrasives are vaporized or separated out of the material. The material become more stable and harder to have chemical reaction during manufacturing of abrasives tools. Inner pressure is removed, single crystal is increased, less magnetic contents, tougher and stronger for ball grinding or blasting. And the material becomes blocky. By using calcined Brown Fused Alumina, you will get more production output of abrasives tools.

Applications: High Quality Grinding Wheels, Big Grinding Wheels and other Boned Abrasives Tools, High Speed Intensity Sand Belts and other Coated Abrasives Tolls

	Calcined Brow	wn Fused Alui	mina FEPA S	Sizes for Bor	nded Abras	ives(Tilting	g Furnace)	
	Grit#	Max Size	Big Size	Basic	Mixed	Small	Chemical	
Physical Analysis					Size	Size	Specifications	
	F24	+1.18	+0.85	+0.71	+0.60	-0.50	AL ₂ O ₃	95.58%
	Standard	0%	0-25%	45-100%	65- 100%	0-3%	SIO ₂	1.06%
	Sample 1	0	17	55	79.5	0.5	TIO ₂	2.52%
	Sample 2	0	17	55	79.5	0.5	Fe ₂ O ₃	0.07%
Physical Analysis	Grit#	Max Size	Big Size	Basic	Mixed	Small	Che	mical
				Size	Size	Size	Specifications	
	F36	+0.85	+0.60	+0.50	+0.425	-0.355	AL ₂ O ₃	95.55%
	Standard	0%	0-25%	45-100%	65- 100%	0-3%	SIO ₂	1.07%
	Sample 1	0	18	54.5	78.5	0.5	TIO ₂	2.55%
	Sample 2	0	18	54.5	78.5	0.5	Fe ₂ O ₃	0.07%
	Grit#	Max Size	Big Size	Basic	Mixed	Small	Chemical	
Physical Analysis				Size	Size	Size	Specifications	
	F46	+0.60	+0.425	+0.355	+0.300	-0.250	AL ₂ O ₃	95.50%
	Standard	0%	0-30%	40-100%	65- 100%	0-3%	SIO ₂	1.07%
	Sample 1	0	24	50	72.5	0.5	TIO ₂	2.60%
	Sample 2	0	24	50	72.5	0.5	Fe ₂ O ₃	0.08%

Particle Distribution & Chemical Content



Luoyang Zhongsen Refractory Co.,Limited Yaowan Village, South Dukang Road, Yichuan County, Luoyang City, Henan Province,P.R.CHINA

TEL: 0086-379-69351288 WEB: www.zhongsen-refractory.com

	Grit#	Max Size	Big Size	Basic Size	Mixed Size	Small Size	Chemical Specifications	
	F60	+0.425	+0.30	+0.25	+0.212	-0.18	AL ₂ O ₃	95.45%
Physical Analysis	Standard	0%	0-30%	40-100%	65- 100%	0-3%	SIO ₂	1.09%
Analysis	Sample 1	0	23.5	48.5	73	0.5	TIO ₂	2.62%
	Sample 2	0	23.5	48.5	73	0.5	Fe ₂ O ₃	0.08%

Fixed Furnace material also available

Shape Compare(Roller & Bamarc Crushed/Milled)



Bamarc Matetrial has higher Bulk Density better for abrasives.