

Pink Fused Alumina Abrasive Grain

Pink fused alumina abrasive grains are produced by fusing high-purity alumina in an electric arc furnace with chromium oxide. This creates a tough, durable abrasive grain excellent for grinding wheels and coated abrasives.



Product Overview

Pink Fused Alumina Overview

Pink fused alumina is a high-performance abrasive grain produced by fusing high-purity alumina in an electric arc furnace with the addition of chromium oxide. This specialized composition provides superior toughness and reduced friability compared to white fused alumina. It is an ideal choice for precision grinding and polishing applications involving hardened steel, tool steel, and high-speed steel.

Chemical Composition

Chemical Analysis by Grit Size

Grit Size	Al ₂ O ₃ (min)	Na ₂ O (max)	Fe ₂ O ₃ (max)
F12-F80	98.50%	0.50%	0.08%
F90-F150	98.50%	0.55%	0.08%
F180-F220	98.00%	0.60%	0.08%

Al₂O₃ Content 98 %

Cr₂O₃ Content Levels Low (0.20-0.45%), Mid (0.45-1.00%), High (1.0-2.0%)

Physical Properties

Key Performance Metrics

1.91 g/cm³
Max Bulk Density

2300 g/mm²
Max Knoop Hardness

3.9 g/cm³
True Density

Logistics

Available Packaging

- 25 KG bags
- 1 MT bags
- Custom request

Compliance

Certifications

ISO 9001