

# 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 <sub>2</sub> O <sub>3</sub> (min)	Na <sub>2</sub> O (max)	Fe <sub>2</sub> O <sub>3</sub> (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%

Al<sub>2</sub>O<sub>3</sub> Content 98 %

Cr<sub>2</sub>O<sub>3</sub> 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/cm<sup>3</sup>**  
Max Bulk Density

**2300 g/mm<sup>2</sup>**  
Max Knoop Hardness

**3.9 g/cm<sup>3</sup>**  
True Density

## Logistics

### Available Packaging

- 25 KG bags
- 1 MT bags
- Custom request

## Compliance

### Certifications

ISO 9001