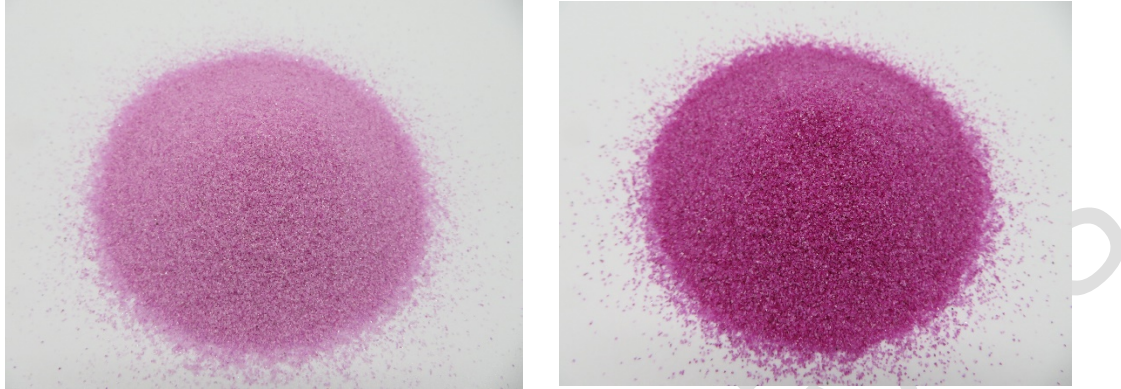


# Pink-Ruby Fused Alumina



Pink Fused Alumina and Ruby Fused Alumina is obtained by adding chromium oxide to high purity aluminum oxide during the fusion process. Its color is pink and ruby. The content of chromium oxide added affects the color of the final product. With increased additions of chromium oxide, the toughness of the grain increases. JCT can produce pink fused alumina (PA) and ruby fused alumina (RA), and our PA and RA have the features of good crystallinity, pure color, less impurity, well-distributed particle size composition, low magnetic substance content, high bulk density, high toughness.

## Chemical Composition

Chemical Composition	Pink Fused Alumina (Low Chromium)			
Grit	Al <sub>2</sub> O <sub>3</sub> (%)	Cr <sub>2</sub> O <sub>3</sub> (%)	Na <sub>2</sub> O(%)	Fe <sub>2</sub> O <sub>3</sub> (%)
F12-F80	≥ 98.50	0.2-0.45	≤ 0.3	0.01-0.05
F90-F150	≥ 98.50		≤ 0.35	
F180-F220	≥ 98.00		≤ 0.40	

Chemical Composition	Medium Chromium			
Grit	Al <sub>2</sub> O <sub>3</sub> (%)	Cr <sub>2</sub> O <sub>3</sub> (%)	Na <sub>2</sub> O(%)	Fe <sub>2</sub> O <sub>3</sub> (%)
F12-F80	≥ 98.20	> 0.45-1.00	≤ 0.3	0.01-0.05
F90-F150	≥ 98.20		≤ 0.35	
F180-F220	≥ 97.80		≤ 0.40	

Chemical Composition	Ruby Fused Alumina (High Chromium)			
Grit	Al <sub>2</sub> O <sub>3</sub> (%)	Cr <sub>2</sub> O <sub>3</sub> (%)	Na <sub>2</sub> O(%)	Fe <sub>2</sub> O <sub>3</sub> (%)
F12-F80	≥ 97.40	> 1.00-2.00	≤ 0.3	0.01-0.05
F90-F150	≥ 97.00		≤ 0.35	

F180-F220	≥96.50		≤0.40	
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### Physical Property

Basic Minerals	Crystal Size	True density	Bulk density	Hardness
α-Al <sub>2</sub> O <sub>3</sub>	600-2000μm	≥3.9g/cm <sup>3</sup>	1.40-1.95g/cm <sup>3</sup>	2200-2300kg/mm <sup>2</sup>

### Bulk Density (g/cm<sup>3</sup>)

F24	F30	F36	F40	F46
1.68-1.77	1.68-1.77	1.69-1.76	1.70-1.76	1.70-1.77
F54	F60	F70	F80	F90
1.69-1.75	1.67-1.74	1.60-1.69	1.58-1.67	1.53-1.63
F100	F120	F150	F180	F220
1.53-1.62	1.51-1.60	1.47-1.55	1.43-1.53	1.38-1.48

### Particle Size Distribution

The standard of particle size distribution is same as FEPA standard.

### Packaging

25kg plastic bags on pallet or loaded in big bag directly. The packaging can be also customized.

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