



## Pink Aluminum Oxide

Pink Aluminum Oxide (PA) is fused from high-purity alumina powder, chromium and other materials in an electric arc furnace at very high temperatures. The inclusion of chromium gives Pink Aluminum Oxide not only its characteristic pink or ruby color, but also even greater hardness and toughness than White Aluminum Oxide. Pink Aluminum Oxide has sharp edges and extraordinary durability, and is available in sizes ranging from large grains to micro-powders.

### Chemical Composition:

Specs	Low Chromium(%)			Medium Chromium(%)			High Chromium(%)		
	Al <sub>2</sub> O <sub>3</sub>	Cr <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O	Al <sub>2</sub> O <sub>3</sub>	Cr <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O	Al <sub>2</sub> O <sub>3</sub>	Cr <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O
F12-F80	≥99.00	0.20-0.45	≤0.40	≥98.20	0.45-1.00	≤0.45	≥97.00	1.00-2.00	≤0.45
F90-F150	≥99.00	0.20-0.45	≤0.40	≥98.20	0.45-1.00	≤0.50	≥97.00	1.00-2.00	≤0.50
F180-F220	≥99.00	0.20-0.45	≤0.50	≥97.80	0.45-1.00	≤0.60	≥96.50	1.00-2.00	≤0.60

### Physical Properties:

Basic Minerals	Crystal Size μ m	True Density g/cm <sup>3</sup>	Bulk Density g/cm <sup>3</sup>	Knoop Hardness Kg/mm <sup>2</sup>
α - Al <sub>2</sub> O <sub>3</sub>	600-800	≥3.90	1.40-1.91	2200-2300

### Grits:

F12 to F220; P16 to P220; #240 to #4000

Other sizes are also available on request.