

## RUBY (DARK PINK) FUSED ALUMINA



### DESCRIPTION

High chromium fused alumina is the  $Al_2O_3$  as the main raw material, increase a certain proportion of chromium oxide, in the arc furnace after high temperature smelting, deep pink, hardness is approximate to white fused alumina, toughness is higher than PA15 and regular white fused alumina.

### APPLICATIONS

PA55 is angular with moderate bulk density, the vitrified abrasive made of it has no mesh cracks, no rust spots, sharp grinding, low heating rate, high grinding ratio and less adhesion. It is suitable for processing quenched steel, alloy steel, precision measuring tools, machine tool spindle, instrument parts, thread workpiece and template grinding workpiece with high finish requirement.

### GRITS AVAILABLE: F12-F1200

*Customized sizes available upon request*

### TYPICAL CHEMICAL ANALYSIS

$Al_2O_3$	$Na_2O$	$Cr_2O_3$	$Fe_2O_3$
97.65	0.40	1.50	0.07

### TYPICAL PHYSICAL PROPERTIES

Mineral Composition	Alpha Alumina	Color	Pink
Mons' Hardness	8.0-9.0	Knoop Hardness	2200-2300
Melting Point	2050°C	Hydrophilicity (F46)	120mm
Specific Gravity	≥3.90	Toughness (F46)	45%

### TYPICAL BULK DENSITY

GRITS	BULK DENSITY
	PA55
F16	1.71-1.81
F20	1.71-1.81
F22	1.71-1.81
F24	1.71-1.81
F30	1.69-1.79
F40	1.65-1.75
F46	1.63-1.73
F54	1.61-1.71
F60	1.59-1.69
F70	1.57-1.67
F90	1.53-1.63
F100	1.52-1.62
F120	1.50-1.60
F150	1.48-1.58
F180	1.46-1.56