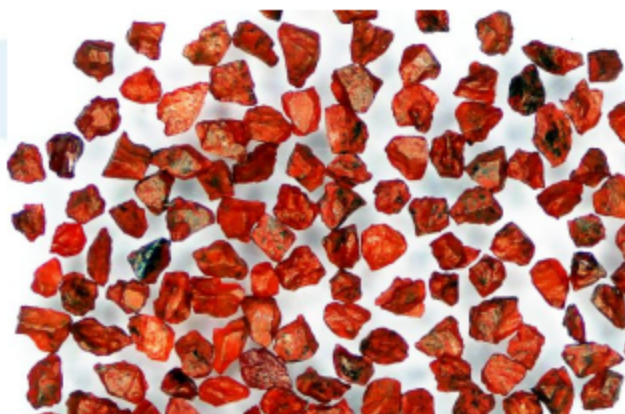


## COATED BROWN FUSED ALUMINA FOR COATED ABRASIVES



### DESCRIPTION

Coated brown fused alumina refers to an improved grain that uses a certain amount of ceramic material plus special additives to wrap to the particle surface without gaps and calcine in a specific temperature and time. The irregularity surface bonds more intimately with phenolic resins. This gives longer abrasive belt life and improves grinding performance.

### APPLICATIONS

**ATR25** is base on A25, angular, after coating and 1050 calcined, the color is light red, hydrophilicity is obviously improved. It has strong cohesive force, mainly used for top-grade coated abrasives, such as sandpaper, abrasive cloth, abrasive belt, for plank polishing, machining of low carbon steel, alloy steel.

**ABR25** is base on AT25, after coating and 1350 calcined, the color is dark red, various indicators is better than ATR25. It is mainly used for manufacturing high-grade coated abrasives, for high-demand hardwood polishing and metal heavy-load abrasive belt grinding.

### GRITS AVAILABLE: P12-P800

*Customized sizes available upon request*

### TYPICAL CHEMICAL ANALYSIS

| Al <sub>2</sub> O <sub>3</sub> | Fe <sub>2</sub> O <sub>3</sub> | SiO <sub>2</sub> | TiO <sub>2</sub> |
|--------------------------------|--------------------------------|------------------|------------------|
| 95.10                          | 0.65                           | 0.85             | 2.50             |

### TYPICAL PHYSICAL PROPERTIES

| Mineral Composition | Alpha Alumina | Color                | Red       |
|---------------------|---------------|----------------------|-----------|
| Mons' Hardness      | ≥9.0          | Knoop Hardness       | 1950-2250 |
| Melting Point       | 2200°C        | Hydrophilicity (P50) | 198mm     |
| Specific Gravity    | ≥3.95         | Toughness (P24)      | 48%       |

### TYPICAL BULK DENSITY

| GRITS | BULK DENSITY |           |
|-------|--------------|-----------|
|       | ATR25        | ABR25     |
| P12   | 1.89-1.99    | 1.88-1.98 |
| P16   | 1.87-1.97    | 1.86-1.96 |
| P20   | 1.85-1.95    | 1.84-1.94 |
| P24   | 1.81-1.91    | 1.80-1.90 |
| P30   | 1.78-1.88    | 1.77-1.87 |
| P36   | 1.75-1.85    | 1.74-1.84 |
| P40   | 1.73-1.83    | 1.72-1.82 |
| P50   | 1.71-1.81    | 1.70-1.80 |
| P60   | 1.68-1.78    | 1.66-1.76 |
| P80   | 1.66-1.76    | 1.64-1.74 |
| P100  | 1.61-1.71    | 1.59-1.69 |
| P120  | 1.58-1.68    | 1.56-1.66 |
| P150  | 1.55-1.65    | 1.53-1.63 |
| P180  | 1.53-1.63    | 1.51-1.61 |
| P220  | 1.49-1.59    | 1.47-1.57 |