

## ALRC - R (Macro) >> BONDED

### White Fused Aluminum Oxide

ALRC is a white fused aluminum oxide obtained from the fusion of calcined alumina in electric arc furnaces. The grits are ceramic coated, which provides an increase in the specific surface of the abrasive grain and a better adhesion between the abrasive grain and resin. ALRC presents high purity and high capacity of edge reposition and is recommended for special application where contamination is an issue to be considered. Produced according to ANSI or FEPA-F.

#### General Characteristics

| True Specific Gravity  | Friability (ANSI-B74.8R2007) |
|------------------------|------------------------------|
| 3.94 g/cm <sup>3</sup> | 62%                          |

#### Chemical Analysis by XRF (%)

| Al <sub>2</sub> O <sub>3</sub> | Fe <sub>2</sub> O <sub>3</sub> | Na <sub>2</sub> O |
|--------------------------------|--------------------------------|-------------------|
| 99.17                          | 0.48                           | 0.29              |

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

| Grit Size | (R) cubic | (HD) super cubic |
|-----------|-----------|------------------|
| 10        | 1.81      | 1.92             |
| 12        | 1.80      | 1.91             |
| 14        | 1.77      | 1.88             |
| 16        | 1.78      | 1.89             |
| 20        | 1.79      | 1.90             |
| 22        | 1.79      | 1.90             |
| 24        | 1.78      | 1.89             |
| 30        | 1.77      | 1.88             |
| 36        | 1.77      | 1.88             |
| 40        | 1.74      | 1.85             |
| 46        | 1.76      | 1.87             |
| 54        | 1.74      | 1.85             |
| 60        | 1.72      | 1.83             |
| 70        | 1.67      | 1.78             |
| 80        | 1.68      | 1.79             |
| 90        | 1.64      | 1.75             |
| 100       | 1.62      | 1.73             |
| 120       | 1.61      | 1.79             |
| 150       | 1.55      | 1.75             |
| 180       | 1.54      | 1.75             |
| 220       | 1.53      | 1.75             |

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