

# Kramer Industries, Inc.

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**“Right From The Start”**

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## Aluminum Oxide Grit #100 Mesh

### Typical Physical Properties

<b>Color</b>	Dark Brown/Black
<b>Grain Shape</b>	Angular
<b>Crystallinity</b>	Coarse Crystal
<b>Hardness</b>	9 Mohs
<b>Specific Gravity</b>	3.94
<b>Bulk Density</b>	103 lbs / ft <sup>3</sup>

### Proximate Chemical Analysis

<b>Al<sub>2</sub>O<sub>3</sub></b>	95.7 %	<b>CaO</b>	0.39 %
<b>TiO<sub>2</sub></b>	2.5 %	<b>MgO</b>	0.24 %
<b>SiO<sub>2</sub></b>	0.86 %	<b>Na<sub>2</sub>O</b>	0.02 %
<b>Fe<sub>2</sub>O<sub>3</sub></b>	0.14 %	<b>K<sub>2</sub>O</b>	0.15 %

### Particle Size Distribution

Screen Size	Size Grading Specification <sup>1</sup>		% Retention <sup>2</sup>
	Lower Limit	Upper Limit	
<b>70</b>	0.0 %	0.0 %	0.0 %
<b>100</b>	0.0 %	20.0 %	9.8 %
<b>140</b>	65.0 %	100 %	76.4 %
<b>200</b>	0.0 %	100 %	13.7 %
<b>-200</b>	0.0 %	3.0 %	0.1 %
<b>120(CONTROL<sup>3</sup>)</b>	40.0 %	100 %	41.9 %

**Notes:**

ANSI Testing Methods: **Size Grading** B74-12-2001; **Bulk Density** B74-4-1992; **Magnetic Content** B74-19-2002  
Specifications: MIL-A-21380; MIL-A-59316; ANSI B-74.12.1992

<sup>1</sup> Specification for percentage retained on each screen size for given grade of product.

<sup>2</sup> Results of a recent batch.

<sup>3</sup> Control screen for quick confirmation of product grade.