

# Kramer Industries, Inc.

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**“Right From The Start”**

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## Aluminum Oxide Grit #280 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>	123 lbs / ft <sup>3</sup>

### Proximate Chemical Analysis

<b>Al<sub>2</sub>O<sub>3</sub></b>	95.40 %	<b>CaO</b>	0.15 %
<b>TiO<sub>2</sub></b>	2.95 %	<b>MgO</b>	0.36 %
<b>SiO<sub>2</sub></b>	0.80 %	<b>Na<sub>2</sub>O</b>	0.11 %
<b>Fe<sub>2</sub>O<sub>3</sub></b>	0.19 %	<b>K<sub>2</sub>O</b>	0.06 %

### Particle Size Distribution

Screen Size	Size Grading Specification <sup>1</sup>		% Retention <sup>2</sup>
	Lower Limit	Upper Limit	
<b>140</b>	0.0 %	0.0 %	0.0 %
<b>170</b>	0.0 %	2.0 %	0.1 %
<b>+200</b>	0.0 %	4.0%	1.9 %
<b>+230</b>	0.0 %	25.0%	9.4 %
<b>-325</b>	40.0 %	75.0 %	64.6 %
<b>+325 (CONTROL<sup>3</sup>)</b>	25.0 %	60.0 %	35.4 %

**Notes:**

ANSI Testing Methods: **Size Grading** B74-12-2001  
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.