

# Kramer Industries, Inc.

140 Ethel Road West  
Unit U  
Piscataway, NJ 08854

phone: 888-515-9443  
fax: 732-650-0556  
www.KramerIndustriesOnline.com

“Right From The Start”

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## Aluminum Oxide Grit #30 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

### 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	
18	0.0 %	0.0 %	0.0 %
25	0.0 %	25.0 %	23.6 %
35	65.0 %	100%	73.1 %
40	0.0 %	100%	3.0 %
-40	0.0 %	3.0 %	0.4 %
<b>30 (CONTROL<sup>3</sup>)</b>	<b>45.0 %</b>	<b>100 %</b>	<b>58.9 %</b>

**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.