

# 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 #22 Mesh

### Typical Physical Properties

Color	Dark Brown/Black
Grain Shape	Angular
Crystallinity	Coarse Crystal
Hardness	9 Mohs
Specific Gravity	3.94
Bulk Density	123 lbs / ft <sup>3</sup>

### Proximate Chemical Analysis

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

### Particle Size Distribution

Screen Size	Size Grading Specification <sup>1</sup>		% Retention <sup>2</sup>
	Lower Limit	Upper Limit	
14	0.0 %	0.0 %	0.0 %
18	0.0 %	20.0 %	13.5 %
25	70.0 %	100%	85.5 %
30	0.0 %	100%	0.9 %
-30	0.0 %	3.0 %	0.1 %
20 (CONTROL <sup>3</sup> )	45.0 %	100 %	58.9 %

**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.