

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”

Aluminum Oxide Grit #46 Mesh

Typical Physical Properties

Color	Dark Brown/Black
Grain Shape	Angular
Crystallinity	Coarse Crystal
Hardness	9 Mohs
Specific Gravity	3.94
Bulk Density	115 lbs / ft ³

Proximate Chemical Analysis

Al₂O₃	95.7 %	CaO	0.39 %
TiO₂	2.5 %	MgO	0.24 %
SiO₂	0.86 %	Na₂O	0.02 %
Fe₂O₃	0.14 %	K₂O	0.15 %

Particle Size Distribution

Screen Size	Size Grading Specification ¹		% Retention ²
	Lower Limit	Upper Limit	
30	0.0 %	0.0 %	0.0 %
40	0.0 %	30.0 %	18.2 %
50	65.0 %	100%	79.8 %
60	0.0 %	100%	1.9 %
-60	0.0 %	3.0 %	0.1%
45(CONTROL³)	40.0 %	100 %	52.7 %

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

¹ Specification for percentage retained on each screen size for given grade of product.

² Results of a recent batch.

³ Control screen for quick confirmation of product grade.