

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”

Silicon Carbide Grit #12 Mesh

Typical Physical Properties

Color	Black
Grain Shape	Angular
Magnetic Content	0.2 – 0.5 %
Hardness	9.5 Mohs
Specific Gravity	3.2
Bulk Density	96 lbs / ft ³

Proximate Chemical Analysis

SiC	98.58 %	Fe	0.11 %
C	0.05 %	Al	0.02 %
Si	0.80 %	CaO	0.03 %
SiO₂	0.30 %	MgO	0.05 %

Particle Size Distribution

Screen Size	Size Grading Specification ¹		% Retention ²
	Lower Limit	Upper Limit	
7	0.0 %	0.0 %	0.0 %
10	0.0 %	20.0 %	17.5 %
14	70.0 %	100.0 %	80.6 %
16	0.0 %	100.0 %	1.6 %
12 (CONTROL ³)	45.0 %	100 %	45.7 %
B. Density (g/cc)	1.51	1.61	1.58

Notes:

FEPA Standard (45-1986 and 42-1984)

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.