

# Kramer Industries, Inc.

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**“Right From The Start”**

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## Silicon Carbide Grit 14 Mesh

### Typical Physical Properties

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

### Proximate Chemical Analysis

<b>SiC</b>	98.58 %	<b>Fe</b>	0.11 %
<b>C</b>	0.05 %	<b>Al</b>	0.02 %
<b>Si</b>	0.80 %	<b>CaO</b>	0.03 %
<b>SiO<sub>2</sub></b>	0.30 %	<b>MgO</b>	0.05 %

### Particle Size Distribution

Screen Size	Size Grading Specification <sup>1</sup>		% Retention <sup>2</sup>
	Lower Limit	Upper Limit	
<b>8</b>	0.0 %	0.0 %	0.0 %
<b>12</b>	0.0 %	20.0 %	17.5 %
<b>16</b>	70.0 %	100.0 %	80.6 %
<b>18</b>	0.0 %	100.0 %	1.6 %
<b>-18</b>	0.0 %	3.0 %	0.3 %
<b>14 (CONTROL<sup>3</sup>)</b>	45.0 %	100 %	45.7 %

**Notes:**

FEPA Standard (45-1986 and 42-1984)

<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.