

# Kramer Industries, Inc.

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**“Right From The Start”**

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## **Silicon Carbide Grit #500 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

### **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**

<b>Size Distribution</b>	<i>Specification (microns)<sup>1</sup></i>		<b>Result<sup>2</sup></b>
	<b>Lower Limit</b>	<b>Upper Limit</b>	
<b>Ds 3<sup>3</sup></b>	0.0	25.3	20.43
<b>Ds 50<sup>4</sup></b>	11.3	13.3	11.93
<b>Ds 94<sup>5</sup></b>	4.8	100.0	7.24

**Notes:**

FEPA-42.GB.1984 R-1993 (Sedigraph)

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<sup>1</sup> Results obtained using Sedigraph settling test.

<sup>2</sup> Results of a recent batch.

<sup>3</sup> DS 3 result indicates that 3% of distribution is the result and larger.

<sup>4</sup> DS 50 result is median of particle size distribution.

<sup>5</sup> DS 94 result indicates that 94% of distribution is the result and larger.