

# Kramer Industries, Inc.

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“Right From The Start”

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## Garnet Grit

Mesh Size	Particle Size (Average of Median)
8 Mesh	8 Mesh (2.3 mm) median
16 Mesh	14 Mesh – 35 Mesh (0.48 – 1.4 mm)
30/60 Mesh	35 mesh – 100 Mesh (0.15 – 0.48 mm)
36 Mesh	25 Mesh – 60 Mesh (0.25 – 0.70 mm)
60 Mesh	60 Mesh (0.25 mm) median
80 Mesh	50 Mesh – 100 Mesh (0.15 – 0.33 mm)
100 Mesh	70 Mesh – 140 Mesh (0.10 – 0.21 mm)
120 Mesh	120 Mesh (0.12 mm) median
HPX85	45 Mesh – 200 Mesh (0.08 – 0.35 mm)

### Proximate Analysis

	% by Weight
Iron Oxide (FeO or Fe <sub>2</sub> O <sub>3</sub> )	32
Manganese Oxide (MnO)	1
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	20
Silicon Dioxide (SiO <sub>2</sub> ) (Not Free)	36
Silicon Dioxide (SiO <sub>2</sub> ) (Free)	<0.1
Magnesium Dioxide (MgO)	6
Calcium Oxide (CaO)	2
Titanium Dioxide (TiO <sub>2</sub> )	2

### Typical Properties

Crystal Form	Cubic
Particle Shape	Sub-round to Sub-angular
Melting Point	1315 C
Specific Gravity (g/cm <sup>3</sup> )	4.1
Bulk Density (lbs per ft <sup>3</sup> )	150
Mohs Scale Hardness	6.5-7.5
Specifications	MIL-A-21380, Type IV, Grade A
Chemical Composition	Fe <sub>3</sub> Al <sub>2</sub> (SiO <sub>4</sub> ) <sub>3</sub> with Mg and MN in partial substitution for Fe