

### Product Description

RockRidge Premium Garnet is a naturally occurring Almandine abrasive known for its hardness, durability, and sub-angular grain shape. With low chloride (<25 ppm) and minimal free silica (<1%), it meets strict safety and environmental standards. **SSPC-AB1 Certified and CARB Approved**, RockRidge Garnet delivers consistent performance in both blasting and waterjet cutting applications.

### Physical Characteristics

Specific Gravity	Bulk Density	Mohs Hardness	Color	Grain Shape	Conductivity	Acid Solubility (HCl)	Chloride Content	Melting Point
3.8–4.1 g/cm <sup>3</sup>	2.1~2.4 g/cm <sup>3</sup>	7.5–8.0	Dark Red/Pink	Angular	<150 µs/cm	<1.0%	<25 ppm	1300 °C

### Typical Chemical Composition

Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O	CaO	MgO	MnO	Sol.Cl
10.0–12.0	40.0–42.0	1.5–3.5	18.0–20.0	13.5–14.5	10.0–11.0	5.5–6.5	< 0.2	< 25 ppm

### Typical Mineral Content

Almandine	Ilmenite	Diopside	Rutile	Quartz	Hornblende	Free Silica
90–96%	<1.0%	<3.0%	<1.0%	<1.0%	<4.0%	<1.0%

### Typical Surface Profile

SIZE	36	30/60	50	80	120
MIL PROFILE	3.3~3.8 mil	2.8~3.2 mil	2.7~2.8 mil	2.3~2.7 mil	1.8~2.2 mil

### Typical Applications

- Surface preparation for coatings, linings, and bonding
- Industrial blasting on steel, concrete, and composites
- Precision waterjet cutting of metals, stone, and glass
- Shipbuilding, oil & gas, and infrastructure project

### Key Benefits

- High hardness and durability for fast, efficient cutting
- Low dust, low chloride, and environmentally safe
- Consistent particle sizing for repeatable results
- **Certified SSPC-AB1 and CARB approved**

### Packaging & Storage

- 55 lb bags
- 1 metric ton super sacks
- 2 metric ton super sacks



## Typical Particle Distribution

### All RockRidge Garnet Meets the Following Criteria:

- Contains less than 1% free silica
- Contains less than 25 ppm of water-soluble chlorides
- Does not contain harmful quantities of toxic metals
- Free of clay, limestone, shells, undersized or oversized particles, organic materials, and other detrimental foreign materials

### 36 Grit

PARTICLE DISTRIBUTION		
Size	Mesh	Typical Weight Ratio
+710	+25	17.00
+600	+30	28.00
+500	+35	50.00
+425	+40	3.00
-425	-40	2.00

SSPC-AB-1, Type 1, Class A - Grade 3 \*C.A.R.B.-certified; Executive Order G-24-014

### 30/60 Grit

PARTICLE DISTRIBUTION		
Size	Mesh	Typical Weight Ratio
+710	+25	0.00
+600	+30	15.00
+500	+35	30.00
+425	+40	35.00
+300	+50	15.00
+250	+60	3.00
-250	-60	2.00

SSPC-AB-1, Type 1, Class A - Grade 3 \*C.A.R.B.-certified; Executive Order G-24-014

\*36, 30/60, and 80 Garnet grades certified through 8/31/2027 by the California Air Resource Board for permissible dry blasting done outside of a permanent building in accordance with California Code of Regulations, title 17, Section §92530.

### J50 Grit

PARTICLE DISTRIBUTION		
Size	Mesh	Typical Weight Ratio
+600	+30	0.00
+500	+35	2.00
+425	+40	20.00
+300	+50	45.00
+250	+60	14.00
+212	+70	14.00
-212	-70	5.00

### J80 Grit

PARTICLE DISTRIBUTION		
Size	Mesh	Typical Weight Ratio
+425	+40	0.00
+300	+50	25.00
+250	+60	35.00
+212	+70	20.00
+180	+80	10.00
+150	+100	5.00
-150	-100	5.00

SSPC-AB-1, Type 1, Class A - Grade 2 \*C.A.R.B.-certified; Executive Order G-24-014

### J120 Grit

PARTICLE DISTRIBUTION		
Size	Mesh	Typical Weight Ratio
+180	+80	5.00
+150	+100	27.00
+125	+120	35.00
+106	+140	25.00
+90	+170	4.00
-90	-170	4.00

SSPC-AB-1, Type 1, Class A - Grade 2

## Warehouse Locations

**Baltimore**  
1205 68<sup>th</sup> St.  
Baltimore, MD 21237

**Houston**  
13040 Market St.  
Houston, TX 77015

**Cincinnati**  
1707 Riverside Dr.  
Cincinnati, OH 45202

**Los Angeles**  
14445 Alondra Blvd.  
La Mirada, CA 90638

For more information  
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