

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 ³	2.1~2.4 g/cm ³	7.5–8.0	Dark Red/Pink	Angular	<150 µs/cm	<1.0%	<25 ppm	1300 °C

Typical Chemical Composition

Fe ₂ O ₃	SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ 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.

Warehouse Locations


Baltimore
1205 68th 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 scan to visit our website

 (716) 759-6600

 rockridgeabrasives.com

 [linkedin.com/company/rockridgeabrasives](https://www.linkedin.com/company/rockridgeabrasives)



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