



4301 Federal Way
 Boise, ID 83716
 (208) 947-1351
 sales@enviroabrasives.com
 www.enviroabrasives.com

Garnet

NORTH AMERICAN SELECT



Available sizes & blends

- 16 Grit
- 20/30 Grit
- 36 Grit
- 30/40 Grit
- 30/60 Grit Special Blend
- 80 Grit
- 100 Grit

Chemical Composition (wt %)

SiO ₂	36%
Fe ₂ O ₃	2%
Al ₂ O ₃	20%
TiO ₂	2%
FeO	30%
CaO	2%
MgO	6%
MnO	1%

Mineral Composition (wt %)

Garnet (Almandite and Pyrope)	94 - 99.6%
Hornblende, Biotite, Feldspar, Ilmenite, Zircon	0.4 - 3%

Physical Characteristics

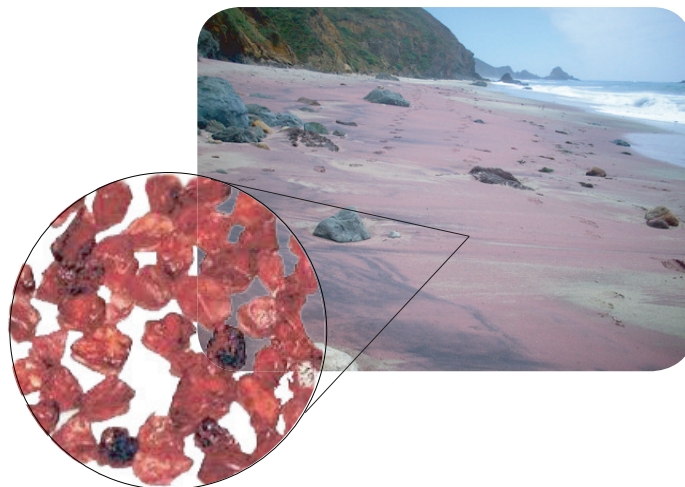
Bulk Density	140-150 lbs/ft ³
Specific Gravity	3.9 - 4.1
Hardness (Mohs)	7.5
Melting Point	1,315°C (2,399°F)
Particle State	Sub-rounded to sub-angular
Reactivity	Inert

Certified by the California Air Resources Board, CARB,
for unconfined blasting

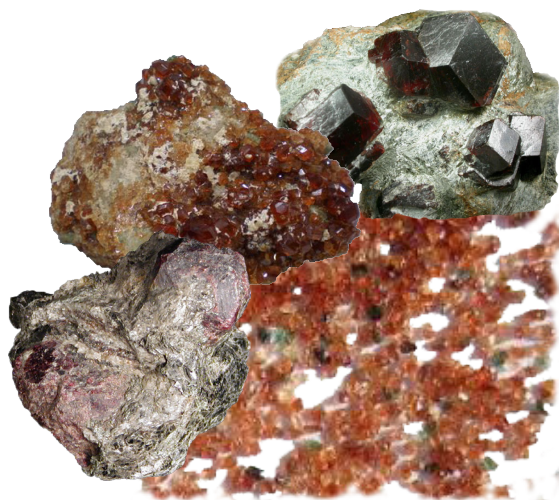
Garnet

Alluvial Waterjet
Garnet

Sizing
60, 80 & 120 Grit



Clean high quality garnet from beach sand deposits
Sub angular in shape
Widely used the world over
Good balance of cut speed, edge quality
Less wear to the waterjet machinery
Available in 25kg bags or 1 metric ton bulk
Fresh water washed



Crushed Waterjet Garnet Size - 16 to 150 Grit

Mined from a hard rock Almandine deposits
Angular and sharper edges compared to alluvial
97% + garnet purity
Hardness of 7.5 to 8 on the Mohs scale
Can be custom screened to meet unique applications
Fresh water washed



Crushed Blasting Garnet Size - 16 to 100 Grit

Mined from alluvial Almandine deposits
Sub round and angular with sharper edges compared to uncrushed alluvial
94% + garnet purity (Hornblende, Biotite, Feldspar, Ilmenite, Zircon)
Hardness of 7.5 on the Mohs scale
Air washed



Certified by the California Air Resources Board, CARB, for unconfined blasting