

## TECHNICAL DATA SHEET

Revision: 7/13/21

### RockRidge 30-60 Mesh Omphacite

Product: O60 (30-60 Mesh Omphacite)

Description: RockRidge Omphacite offers a wide array of sizes in order to ensure maximum performance for a variety of blasting applications.

#### Typical Physical Characteristics:

Grain Shape	Sub-Angular
True Density	3.9-4.1 g/cm <sup>3</sup>
Bulk Density	2.1 g/cm <sup>3</sup>
Hardness	Mohs 6
Melting Point	2000°C
Color	Green
Acid Solubility (HCL)	<1.0 %
Conductivity	< 150 us/cm

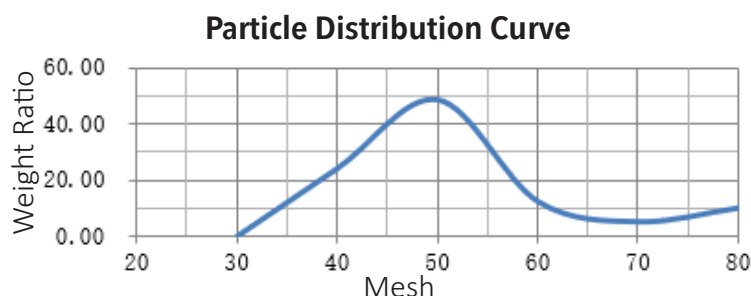
#### Typical Mineral Content:

Mineral	%
Omphacite	80- 90
Almandine Garnet	< 5.0
Ilmenite	< 1.0
Rutile	< 1.0
Other	< 1.0

#### Typical Chemical Composition:

Fe <sub>2</sub> O <sub>3</sub>	7.23 %
FeO	4.49 %
SiO <sub>2</sub>	52.49 %
TiO <sub>2</sub>	1.27 %
Al <sub>2</sub> O <sub>3</sub>	8.38 %
CaO	12.2 %
MgO	6.81 %
MnO	0.2 %
Sol. Cl.	<80 ppm

#### Typical Particle Distribution



Size (µm)	Mesh	Weight Ratio (%)
+600	+30	0.00
+425	+40	24.10
+300	+50	48.50
+250	+60	12.30
+212	+70	5.10
-212	-70	10.00
Total		100

For any questions or concerns, please contact RockRidge Abrasives at:  
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