

# Product Data Sheet

## Wet Plant Tailings



### Average Chemical Composition (Typical)

SiO <sub>2</sub> *	55%
Al <sub>2</sub> O <sub>3</sub>	12%
FeO	NA
Fe <sub>2</sub> O <sub>3</sub>	15%
MgO	7%
CaO	5%
TiO <sub>2</sub>	1%
MnO	0.17%

\*Refers to SiO<sub>2</sub> bound within the lattice of the homogeneous garnet crystal (not free silica)

### Physical Characteristics (Typical)

Bulk Density	143.58 lbs/ft <sup>3</sup> (2.3 t/m <sup>3</sup> )
Specific Gravity	4.1
Hardness (moh)	7.5 – 8.0
Melting Point	2282°F (1250°C)
Shape of Natural Grains	Angular

### Other Characteristics (Typical)

Radioactivity	Non-detectable above background
Moisture Absorption	Non-hygroscopic, Inert
Total Chlorides	1 – 2 ppm
Conductivity	46 μS/cm (4.6 mS/m)

\*Tested in accordance to ISO and ASTM standards.

### Mineral Composition (Typical)

Garnet (predominately Almandine)	15%
Hornblende	19%
Quartz (free silica)	27%
Biotite	2.9%
Talc	1.3%
Clinochlore	2%
Anthophyllite	6.8%
Albite	4.4%
Calcite	1.2%

### Packaging

- Loose bulk by dump truck.

### Source

- Made in USA