

## Galaxy Garnet 80S - Waterjet Cutting Media

### Benefits of Galaxy Garnet 80S:

- High precision finish
- Fast cutting speed
- High availability
- Combines the performance and finish of Galaxy Garnet with the value of Jetcut 80S

### OPTA MINERALS for all your Waterjet Cutting needs:

- Jetcut 80S
- Galaxy Garnet
- Galaxy Garnet 80S
- Beach Garnet
- IG Garnet

## Information Bulletin

Galaxy Garnet 80S contains almandine garnet, a hard rock garnet considered by many to be the most efficient waterjet cutting abrasive media available. Its hardness and angular shape allow this garnet to provide high precision finishes at very high speeds. Make your garnet dollars go farther with Galaxy Garnet 80S.

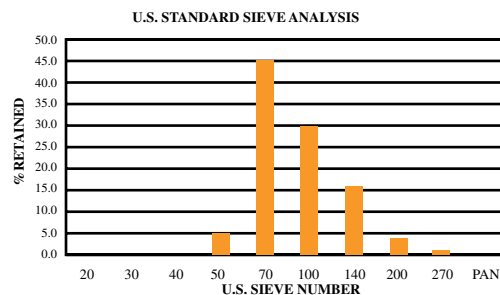
### Typical Chemical Analysis (%):

<b>Aluminium Oxide</b>	Al <sub>2</sub> O <sub>3</sub>	21 - 46
<b>Iron Oxide</b>	Fe <sub>2</sub> O <sub>3</sub>	3 - 18
<b>Iron Oxide</b>	FeO	15 - 29
<b>Silicon Dioxide (total)</b>	SiO <sub>2</sub>	22 - 37
<b>Titanium Oxide</b>	TiO <sub>2</sub>	5 - 16
<b>Zirconium Dioxide</b>	ZrO <sub>2</sub>	4 - 8
<b>Calcium Oxide</b>	CaO	< 2.0
<b>Manganese Oxide</b>	MnO	< 0.64

### Typical Physical Properties:

<b>Colour</b>	Dark reddish brown
<b>Bulk Density (loose)</b>	~140 lbs./ft. <sup>3</sup>
<b>Bulk Density (compacted)</b>	~145 lbs./ft. <sup>3</sup>
<b>Specific Gravity</b>	3.7 - 4.0
<b>Moisture</b>	< 0.30%
<b>Grain Shape</b>	Sub-angular
<b>Moh Hardness</b>	7 - 7.5
<b>Melting Point</b>	na
<b>Solubility</b>	Insoluble

### U.S. Standard Sieve Analysis:



For more information or to place an order please call 1-888-689-6661 or 519-720-9664.

### OPTA MINERALS has production and warehouse facilities in the following locations:

Waterdown, ON; Lachine, QC;  
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 St-Germain-de-Grantham, QC; Norfolk, VA;  
 New Orleans, LA; Los Angeles, CA;  
 Hardeeville, SC; Attica, NY; Baltimore, MD;  
 Keeseville, NY; Walkerton, IN; Milan, MI;  
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