

## Technical Data & Physical Characteristics ECOTEK® HPR Garnet Abrasives

### MINERAL COMPOSITION

|   |        |
|---|--------|
| Garnet (Almandine).....                         | 85—95% |
| Ilmenite.....                                   | 1—2%   |
| Non-Respirable Free<br>Crystalline Silica ..... | < 1%   |
| Other .....                                     | 4—5%   |

### CHEMICAL COMPOSITION

|  |  |
|--|--|
| Major Constituents<br>Almandine Garnet ..... | $\text{Fe}_3 \text{Al}_2 (\text{SiO}_4)_3$ |
|--|--|

### PHYSICAL PROPERTIES

|                        |                           |
|------------------------|---------------------------|
| Specific Gravity ..... | 3.9—4.1 g/cm <sup>3</sup> |
| Hardness (Mohs).....   | 7.5—8.0                   |

### OTHER CHARACTERISTICS

|                                       |  |
|---------------------------------------|--|
| Conductivity.....                     | <290 ms/cm                                       |
| Radioactivity .....                   | Diffuse TENORM                                   |
| Moisture Absorption .....             | Non-hygroscopic                                  |
| Weight Change<br>on Ignition (%)..... | 0.0 (Typical)<br>(As per Mil-A22262B (SH) 4.5.6) |
| Chlorides .....                       | <25 ppm  |
| Free Crystalline Silica.....          | <1%  |
| Respirable Free Quartz .....          | <0.1%  |

Garnet is a natural product; therefore, its chemical analysis will vary.

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