

# A1 Garnet SUPER

## SPECIFICATIONS

### GRADE #20-40

| Mineralogy                                                                                                                                                                                                                    | Guaranteed (%) | Typical (%)               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------|
| Garnet                                                                                                                                                                                                                        | Min - 96.5     | 95-98                     |
| Ilmenite                                                                                                                                                                                                                      |                | 1-2                       |
| Zircon                                                                                                                                                                                                                        |                | 0.25                      |
| Quartz(Free Silica)                                                                                                                                                                                                           |                | <0.5-3.5                  |
| Others                                                                                                                                                                                                                        |                | 0.25                      |
| Chemical Analysis                                                                                                                                                                                                             |                |                           |
| Parameters                                                                                                                                                                                                                    |                | Typical (%)               |
| SiO <sub>2</sub>                                                                                                                                                                                                              |                | 34-37                     |
| Al <sub>2</sub> O <sub>3</sub>                                                                                                                                                                                                |                | 18-20                     |
| FeO                                                                                                                                                                                                                           |                | 28-30                     |
| Fe <sub>2</sub> O <sub>3</sub>                                                                                                                                                                                                |                | 1.5-2.5                   |
| TiO <sub>2</sub>                                                                                                                                                                                                              |                | 0.75-1.25                 |
| CaO                                                                                                                                                                                                                           |                | 1.5-2.0                   |
| MgO                                                                                                                                                                                                                           |                | 5.0-6.0                   |
| LOI                                                                                                                                                                                                                           |                | 0.01-0.05                 |
| Soluble Chloride                                                                                                                                                                                                              |                | < 25 ppm                  |
| Sieve Analysis                                                                                                                                                                                                                |                |                           |
| Mesh (US)                                                                                                                                                                                                                     |                | Retention (%)             |
| 20                                                                                                                                                                                                                            |                | 3-7                       |
| 40                                                                                                                                                                                                                            |                | 85-90                     |
| -40                                                                                                                                                                                                                           |                | 5-8                       |
| Physical Analysis                                                                                                                                                                                                             |                |                           |
| Specific Gravity                                                                                                                                                                                                              |                | 4.1                       |
| Hardness                                                                                                                                                                                                                      |                | 7.5 - 8.00 (Moh Scale)    |
| Bulk Density                                                                                                                                                                                                                  |                | 2.40 gm/cm <sup>3</sup>   |
| Conductivity                                                                                                                                                                                                                  |                | < 10 Micron Siemens/Metre |
| <b>Note:</b> Garnet is a natural product and as such slight variations in the chemical analysis and size distribution should be expected. Special contracts covering guarantees other than those specified can be negotiated. |                |                           |

### Packaging

- 25 kgs. PE bags (max. 1000 kgs/ 1MT.)
- 1000 kgs. in 1MT Jumbo bag.

### Maxworth International Pty. Ltd.

Level 1, 76-80 Turnham Avenue, Rosanna Victoria-3084, Australia  
Tel: +61 3 9455 4400 | Fax: +61 3 9455 4433 | Email: enquiry@maxworthgroup.com.au