

Product Data Sheet

GMA ExcelCut™ 80



| Average Chemical Composition (Typical) | | |
|--|-------|-----|
| SiO ₂* | ..... | 33% |
| Al ₂ O ₃ | ..... | 17% |
| FeO | ..... | NA |
| Fe ₂ O ₃ | ..... | 35% |
| MgO | ..... | 8% |
| CaO | ..... | 5% |
| TiO ₂ | ..... | 1% |
| MnO | ..... | 1% |

*Refers to SiO₂ bound within the lattice of the homogeneous garnet crystal (not free silica)

| Mineral Composition (Typical) | | |
|----------------------------------|-------|------|
| Garnet (predominately Almandine) | ..... | 90% |
| Pyroxene | ..... | 4% |
| Ilmenite | ..... | <1% |
| Quartz (free silica) | ..... | 0.1% |
| Hornblende | ..... | 3% |
| Rutile | ..... | <1% |
| Others | ..... | 2% |

| Physical Characteristics (Typical) | |
|------------------------------------|--|
| Bulk Density | 143.58 lbs/ft ³ (2.3 t/m ³) |
| Specific Gravity | 4.1 |
| Hardness (moh) | 7.5 – 8.0 |
| Melting Point | 2282°F (1250°C) |
| Shape of Natural Grains | Sub-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.

| Product Range (typical weight % retained) | | | |
|---|---------|------------|----------|
| Mesh | Microns | Cumulative | Discrete |
| 40 | 425 | 0 | 0 |
| 45 | 355 | 3 | 3 |
| 50 | 300 | 24 | 21 |
| 60 | 250 | 62 | 38 |
| 70 | 212 | 81 | 19 |
| 80 | 180 | 92 | 11 |
| 100 | 150 | 98 | 6 |
| PAN | PAN | 100 | 2 |

Packaging

- 55 lb. (25 kg) paper bags on 1 metric ton or 2 metric ton pallet
- 1 metric ton or 2 metric ton bulk bags with bottom spout and an inner plastic liner
- Loose bulk delivered by pneumatic truck.

Source

- Made in USA
- Product code: GMX-USA-80
- Product specification: 80 Mesh Garnet.

PDS Code: GMA-USA-80 PDS-V1-2018-08