

Jetcut 80S - Waterjet Cutting Media

Technical Data Sheet

This has been specifically designed for waterjet cutting.

Typical Chemical Analysis (%):

| | | |
|-------------------------|--------------------------------|---------|
| Aluminium Oxide | Al ₂ O ₃ | 36 - 46 |
| Iron Oxide | Fe ₂ O ₃ | 14 - 18 |
| Silicon Dioxide (total) | SiO ₂ | 22 - 27 |
| Titanium Oxide | TiO ₂ | 5 - 16 |
| Zirconium Dioxide | ZrO ₂ | 4 - 8 |

Typical Physical Properties:

Colour.....Dark reddish brown
Bulk Density (loose)..... ~130 lbs./ft.³
Bulk Density (compacted)..... ~142 lbs./ft.³
Specific Gravity3.7 - 3.8
Moisture< 0.30%

Grain Shape..... Angular
Moh Hardness 7 - 7.5
Melting Point na
Solubility Insoluble

Typical Gradation:

| U.S. Mesh | Microns | Percent | |
|-----------|---------|----------|---------|
| | | Retained | Passing |
| 20 | 850 | 0.0 | 100.0 |
| 30 | 600 | 0.0 | 100.0 |
| 40 | 425 | 0.0 | 100.0 |
| 50 | 300 | 1.0 | 99.0 |
| 70 | 212 | 25.0 | 74.0 |
| 100 | 150 | 35.0 | 39.0 |
| 140 | 106 | 28.0 | 11.0 |
| 200 | 75 | 10.0 | 1.0 |
| 270 | 53 | 1.0 | 0.0 |
| PAN | | 0.0 | 0.0 |

Grain Fineness #: 70 - 90

