

JB Abrasives Company LLC

Technical Data Sheet

Waterjet Cutting Grade 80

Complies with Blasting Specifications

Hardness	Mohs > 7.5-8.0
Specific Gravity	3.9-4.2
Radioactivity	Not Detected
Free Iron/Metals	< 0.01%
Bulk Density	2.3 – 2.6 T/m ³
Conductivity	< 35mS/m
Melting Point	1260 C
Shape	Round to Sub round
Non Toxic and Inert	Non Hydroscopic

Chemical Content

<u>Element</u>	<u>Typical</u>
SiO ₂	34% – 39%
Al ₂ O ₃	15% - 22%
Fe ₂ O ₃	38% - 42%
MgO	4% - 8%
CaO	1% - 3%
TiO ₂	1% - 4.5%

Typical Sieve Analysis

<u>ASTM</u>	<u>Microns</u>	<u>Percent</u>
45	355	0 - 3
50	300	12 - 16
60	250	28 - 32
70	212	23 - 27
80	180	15 - 20
100	150	3 - 8
Pan	125	2 - 5

Typical Mineral Composition

<u>Chemical Name</u>	<u>Proportion (Wt%)</u>
Almandine Garnet:	95%
Ilmenite:	< 5%
Calcium Carbonate:	< 2%
Zircon:	< 0.2%
Crystalline Silica:	< 1.0%

Standard Packaging

55 lb (25kg) Poly bags inside 2,200 lb totes
2,200 lb and 4,400 lb Super Sacks