



Iron Powder for Welding Applications
Ancorsteel® ATW-432

This atomized iron powder grade is characterized by its high purity, high apparent density and closely controlled (coarse) particle size distribution.

Typical Analysis and Properties

Composition (weight %) (w/o)

| Carbon | Sulfur | Hydrogen Loss | Iron |
|--------|--------|---------------|---------|
| 0.05 | 0.015 | 0.13 | Balance |

Apparent Density

3.1 g/cm³

Sieve Distribution (w/o)

| Micrometers | U.S. Standard Mesh | |
|-------------|--------------------|----|
| +600 | (+30) | 0 |
| -600/+425 | (30/40) | 1 |
| -425/+250 | (+40) | 1 |
| -250/+180 | (40/80) | 87 |
| -180/+75 | (80/200) | 8 |
| -75 | (-200) | 4 |

IMPORTANT NOTICE: The data shown are based on laboratory processing standard test specimens. Results may vary from that obtained in production processing.