

ATOMET 110DF is a coarse, high purity atomised iron powder for welding, alloying and chemical applications.

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## TYPICAL PHYSICAL PROPERTIES

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**Apparent density**      2.45 g/cm<sup>3</sup>  
**Flow rate (Hall)**      37 seconds/50g

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## TYPICAL SCREEN AND CHEMICAL ANALYSES

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### Typical Screen analysis

| <u>U.S. Standard Sieves</u> | <u>Microns</u> | <u>Wt. %</u> |
|-----------------------------|----------------|--------------|
| + 30 mesh                   | > 600          | Trace        |
| - 30 + 40 mesh              | 425            | 4            |
| - 40 +100 mesh              | 150            | 95           |
| - 100 mesh                  | < 150          | 1            |

### Chemical analysis (wt %)

|            |        |
|------------|--------|
| Iron       | > 99 % |
| Carbon     | 0.120% |
| Oxygen     | 0.400% |
| Sulphur    | 0.008% |
| Phosphorus | 0.010% |
| Manganese  | 0.180% |
| Silicon    | 0.015% |
| Vanadium   | 0.005% |
| Chromium   | 0.050% |
| Titanium   | 0.001% |
| Calcium    | 0.001% |

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