



CO-REDUCED TUNGSTEN POWDER

D Series

Technical Data Sheet



Co-Reduced Tungsten Powder is made by the addition of metal powders to the tungsten oxide prior to the reduction process, resulting in higher green strength after compaction. Common additives are nickel, copper and iron in any amounts. These powders provide excellent wear properties while remaining machinable.

APPLICATIONS: Heavy Metals, Machinable Parts

| PHYSICAL PROPERTIES | | | | METALLIC CONTENT (WT% +/- 0.25%) | | | |
|---------------------|--|---------------------------------------|--------------------------------|----------------------------------|--------|--------|------|
| Type | Average Fisher Particle Size FSSS (μm) | Apparent Density (g/in ³) | Standard Screening (mesh size) | Tungsten | Nickel | Copper | Iron |
| DNC-90 | 7.0–9.0 | 60–75 | -100 | 90.0 | 6.0 | 4.0 | 0 |
| DNF-90 | 6.0–8.0 | 55–65 | -100 | 90.0 | 7.0 | 0 | 3.0 |
| DNF-94 | 6.0–8.0 | 55–70 | -100 | 93.7 | 4.2 | 0 | 2.1 |

Custom specifications are available, including

- Increased Apparent Density
- Narrower Particle Size Distribution
- Special Mesh Size Screenings
- Improved Flow Properties