



## FINE TUNGSTEN POWDER

### C Series C3-C20

### Technical Data Sheet



Fine Tungsten Powders produced at Buffalo Tungsten are typically greater than 99.95% purity with average particle sizes up to 10 microns.

**APPLICATIONS:** Electrical Contacts, Military Ordnance, Heat Sinks, Mining Tools, Tungsten Rod and Bar

PHYSICAL PROPERTIES				NON-METALLIC IMPURITIES (WT%)	
Type	Average Fisher Particle Size FSSS (μm)	Apparent Density (g/in <sup>3</sup> )	Standard Screening (mesh size)	Carbon (typical/max)	Oxygen (LOR) (typical/max)
C3	0.70–1.00	20–45	-100	≤0.010 / ≤0.015 max	≤0.20 / ≤0.35 max
C5	1.00–1.40	25–55	-100	≤0.008 / ≤0.010 max	≤0.15 / ≤0.20 max
C6	1.40–2.00	30–60	-100	≤0.005 / ≤0.008 max	≤0.10 / ≤0.12 max
C8	2.00–4.00	35–80	-200	≤0.004 / ≤0.007 max	≤0.05 / ≤0.08 max
C10	4.00–6.00	40–110	-200	≤0.004 / ≤0.005 max	≤0.05 / ≤0.07 max
C20	6.00–10.00	50–120	-200	≤0.004 / ≤0.005 max	≤0.05 / ≤0.07 max

METALLIC IMPURITIES (WT%)										
Element	Al	Co	Cr	Cu	Fe	Mo	Na	Ni	Si	Sn
Typical	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.002	<0.001	<0.001
Max	0.003	0.002	0.005	0.002	0.005	0.010	0.003	0.005	0.001	0.001

Customizations are available, including

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