



TUNGSTEN CARBIDE POWDER

WC Series

Technical Data Sheet



Standard Tungsten Carbide Powders range in size from 0.8 micron to 50 micron. Carbon content is carefully monitored to provide optimal results for your application and blended into uniform, homogeneous lots.

APPLICATIONS: Cemented Carbide Tools, Dies and Inserts, Powdered Metal Contacts

PARTICLE SIZE CLASSIFICATION		CHEMICAL ANALYSIS (WT%)	
Type	Average Fisher Particle Size FSSS (µm)	Tungsten Content	Carbon Content
WC0	0.80–1.0	ALL TYPES 93.5% Min 93.77% Typical	ALL TYPES 6.08–6.18% 6.12% Typical
WC1	1.0–2.0		
WCII	2.0–6.0		
WCIII	6.0–9.0		
WCIV	9.0–14.0		
WCV	14.0–25.0		
WCVI	25.0–50.0		

IMPURITIES (WT%)			
Element	Free Carbon	Fe	Mo
Typical	<0.010	<0.005	<0.003
Max	<0.050	<0.030	<0.020