



MACROCRYSTALLINE TUNGSTEN CARBIDE POWDER

WCX Series

Technical Data Sheet



MacroCrystalline Tungsten Carbide Powder exceeds the FSSS scale for particle size measurement and is classified by mesh size. Special carburization techniques are used to ensure consistent, high quality powders.

APPLICATIONS: Diamond Tools, Thermal Spray Powder

PHYSICAL PROPERTIES					NON-METALLIC IMPURITIES (WT%)	
Type	Mesh Size	Mesh Analysis	WT (%)	Apparent Density (g/in ³)	Total Carbon	Free Carbon
WCX	-325	+325	0-5	80-110	ALL GRADES 6.0-6.4	ALL GRADES <0.05
WCX	-270	+270	0-5	80-110		
WCXI	-60/+325	+60	0-5	100-130		
		-325	0-15			
WCXII	-60/+200	+60	0-5	110-140		
		-200	0-15			
WCXIII	-60/+100	+60	0-5	110-140		
		-100	0-15			

Customer Specific Mesh Ranges Available

METALLIC IMPURITIES (WT%)										
Element	Al	Co	Cr	Cu	Fe	Mo	Na	Ni	Si	Sn
Typical	<0.001	<0.001	<0.010	<0.001	<0.010	<0.005	<0.002	<0.005	<0.001	<0.001
Max	0.003	0.005	0.030	0.005	0.050	0.020	0.010	0.010	0.002	0.002