



CAST TUNGSTEN CARBIDE POWDER

WCY Series

Technical Data Sheet



Cast carbide is a mixture of WC and W₂C carbide phases. It is formed by casting molten carbide with a rapid quench. Cast carbide has high hardness and abrasion resistance properties.

APPLICATIONS: Hard Facing

CHEMICAL ANALYSIS (WT%)

Type	Tungsten Content	Carbon Content	Free Carbon
WCY	95.0 Min	3.8–4.2	0.08 Max

METALLIC IMPURITIES (WT%)

Element	Co	Cr	Fe	Mo	Nb	Ni	Ta	Ti	V
Max	0.30	0.20	0.50	0.30	0.20	0.30	0.20	0.20	0.20

MESH SIZES

-30 +40

-40 +60

-60 +80

-60 +100

-80 +140

-100 +140

-120 +200

-140 +200

-200 +325

-200 +400

-325