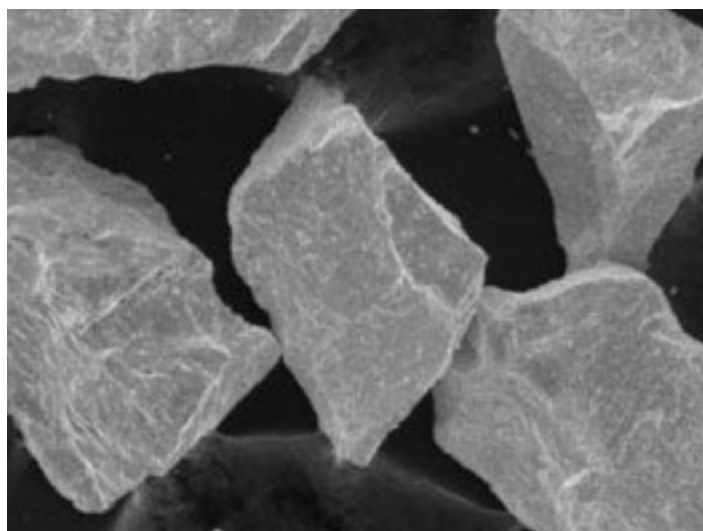


TUNGCAST - CAST TUNGSTEN CARBIDE POWDERS



Tungcast Cast Tungsten Carbide, commonly referred to as W2C, is an extremely hard material used in a variety of applications. With a eutectic structure, high melting point and hardness, which aid in wear protection and wear resistance properties. The material is manufactured from a blend of carbon, tungsten and tungsten carbide powders and is silver / grey in colour with a sharp blocky particle shape.

APPLICATIONS INCLUDE:

- Diamond Drilling Tools
- Agricultural Tools
- Grinding Tools
- Drill Pipe Stabilisers
- Industrial Diamond Tools
- Wear Protection

Quality checks including sizing, particle shape and chemical composition are undertaken prior to delivery.

CHEMICAL COMPOSITION

Carbon Total	3.8 - 4.0%
Carbon Free	0.08% max
Fe	0.5% max
Co	0.3% max
Total Impurities	0.8% max
Tungsten	Balance
Density	16 - 17 g/cm ³
Melting Point	2525°C
Hardness	93.0 – 93.7 HRA

STANDARD SIZES:

14 x 24 Mesh
16 x 40 Mesh
18 x 40 Mesh
80 x 200 Mesh
75 x 125 Micron
Other sizes available on request

Our products and any recommended practices should be tested by the user under actual service conditions to determine their suitability for any particular purpose. The results obtained using this product / information are affected by variables such as welding procedure, base material composition, operating temperature, weldment design, method of fabrication and service requirements which are beyond our control. It is the sole responsibility of the user to determine the serviceability of a structure using this product and the information contained in this data sheet.



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