

Tungsten Carbide Powders

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CTC

25 – 3000 μm

CAST TUNGSTEN CARBIDE

Description of Product

Eutectic mixture of mono tungsten carbide (WC) and di-tungsten carbide (W_2C), with a rough, angular and irregular particle shape. Our CTC particles have a very fine internal structure ("feather structure"), resulting in very high hardness and toughness values for an outstanding wear resistance. It can be used for welding applications.

Physical Characteristics

Size Fractions (further fractions on request)	Particle Size Distribution
- 425 + 250 μm	Oversize: max. 2%
- 250 + 106 μm	Undersize: max. 5%
- 180 + 63 μm	
- 180 + 53 μm	
- 150 + 45 μm	
- 125 + 45 μm	
- 90 + 45 μm	

Chemical Characteristics

(Mass fraction in %)

C_{total}	3.8 - 4.2
C_{free}	max. 0.05
Fe	max. 0.20
O	max. 0.06

Packaging

50 kg in 18 l steel drums with liner.
Other kinds of packaging available on request.