

## Technical Data Sheet

# Tungsten Carbide-Cobalt Powder

**Product ID:** 74062700PD001

**Formular:** WC/Co

**Molecular weight:** /

**CAS No.:** 12774-15-1

**EINECS No.:** /

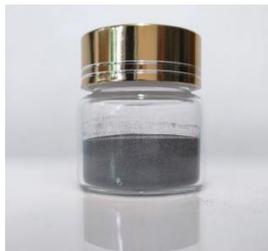
**Color:** Gray/black

**Description:** Our tungsten carbide-cobalt thermal spray powder has spherical or near-spherical particles, offering good flowability and high fracture toughness, with a maximum operating temperature of 500°C.

**Application:** Mechanical components, oil and gas equipment, metallurgical rolls, pump sealing parts, etc.

**Product**

**Image:**



### 1. Sizes

Product ID	Formular	Particle Size
74062700PD001	WC/Co	15-45 µm
74062700PDDZ	WC/Co	Customized

### 2. Chemical compositions

Element	Chemical Composition (wt%)					
	W	Co	Ct	Cf	Fe	O
Typical Value	Bal	11.0-13.0	5.20-5.70	≤0.10	≤0.50	≤0.10

*Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.*

**3. Flow Rate(s/50g)**

≤25

**4. Apparent Density(g/cm<sup>3</sup>)**

≥4.0

**5. Packaging**

Bottled/Bag.

Double vacuum packed.

**6. Period of Validity**

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

**5. Handling and Storage**

When using, wear protective equipment to avoid inhaling dust or skin contact, and operate in a dry, well-ventilated environment.

Store in a cool, dry, and sealed container to avoid moisture absorption and oxidation.

**Contact Us**

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