

# TMP06

Aug 2025



Alloy	Co	Cr	W	C	Others
TMP06	Balance	30	4.5	1.2	Si, Fe, Mo, Ni, Mn
<b>Powder Type:</b>	Gas Atomized				
<b>Particles Sizes Available:</b>	-150/+45µm, -180/+53µm, and others upon request				
<b>Typical Hardness:</b>	38-44 HRC				
<b>Apparent Density:</b>	4.59g/cm <sup>3</sup>				
<b>Flow Rate:</b>	15s/50g				

**Application:**

- Valve seats and gates
- Turbo engine blades
- Pump shafts and bearings
- Other erosion and abrasion wear applications

**Process:**

- PTA (Plasma Transferred Arc)
- Laser Cladding

**Hazards:**

Observe safe practices.

See TMetal material safety data sheet for details.

**Standard Sizes & Packaging:****Particle Size**

-150/+45µm,  
-180/+53µm

And others upon request

**Packaging**

5kg/ bottle

**Product Overview**

**TMP06** is a tungsten carbide-cobalt-chrome powder. TMP06 is the most popular alloy and regarded as the industry standard for general-purposes wear resistance applications. It produces tougher corrosion and abrasion resistant coatings over an intensive temperature range while retain reasonable properties.

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