

TMP06

June 2020



Alloy	Co	Cr	W	C	Others
TMP06	Balance	30	4.5	1.2	Si, Fe, Mo, Ni, Mn
Chemical Name:	Cobalt-Chromium-Tungsten-Carbon				
Powder Morphology:	Gas Atomized				
Particles Sizes Available:	-150/+53, and others upon request				
Typical Hardness:	38-44 HRC				

Application: **Process:**

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| <ul style="list-style-type: none"> ▪ Valve seats and gates ▪ Turbo engine blades ▪ Pump shafts and bearings ▪ Other erosion and abrasion wear applications | <ul style="list-style-type: none"> ▪ PTA (Plasma Transferred Arc) ▪ HVOF (High-Velocity Oxy-Fuel Spray) ▪ Laser Cladding |
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Hazards: **Standard Sizes & Packaging:**

Observe safe spraying practices.

See TMetal material safety data sheet for details.

Particle Size	Packaging
-150/+53 microns	5kg/ bottle

And others upon request

Product Overview

TMP06 is a tungsten carbide-cobalt-chrome powder specifically designed for PTA, HVOF and Laser cladding systems. 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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