



Alloy	Co	Cr	W	C	Others
TMP01	Balance	30	12	2.4	Si, Fe, Mo, Ni, Mn
Chemical Name:	Cobalt-Chromium-Tungsten-Carbon				
Powder Morphology:	Gas Atomized				
Particles Sizes Available:	-150/+53, -45/+15 and others upon request				
Typical Hardness:	50-56 HRC				

Application: **Process:**

- | | |
|---|--|
| <ul style="list-style-type: none"> ▪ Valve seats ▪ Cutting blades ▪ Seal rings ▪ Other erosion and abrasion wear applications | <ul style="list-style-type: none"> ▪ PTA (Plasma Transferred Arc) ▪ HVOF (High-Velocity Oxy-Fuel Spray) ▪ 3D Printing |
|---|--|

Hazards: **Standard Sizes & Packaging:**

Observe safe spraying practices.
See Tormetal material safety data sheet for details.

Particle Size	Packaging
-150/+53 microns	5kg/ bottle
-45/+15 microns	

And others upon request

Product Overview:

TMP01 is a tungsten carbide-cobalt-chrome powder specifically designed for PTA and HVOF systems. It produces strong corrosion and abrasion resistant coatings and maintains hardness at temperatures up to 1112° F (600° C). TMP01 has proven to be ideal for extreme erosive and abrasive environments.

Contact: tmetal.com/contact