

Alloy	Co	Cr	W	C	Others
<b>TMP12</b>	Balance	29	8.5	1.4	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>	42-48 HRC				
<b>Apparent Density:</b>	4.75g/cm <sup>3</sup>				
<b>Flow Rate:</b>	14.1s/50g				

**Application:**

- Saw tips
- Cutting blades
- Extrusion screws
- Other erosion and abrasion wear applications

**Process:**

- PTA (Plasma Transferred Arc)
- HVOF (High-Velocity Oxy-Fuel Spray)
- 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**

**TMP12** is a tungsten carbide-cobalt-chrome powder and can be processed through PTA, HVOF and Laser cladding systems. As an intermediate alloy between TMP01 and TMP06, TMP12 has increased resistance to low angle erosion, abrasion, and severe sliding wear whilst maintain high impact and cavitation resistance. It is ideal for use in textile, lumber and plastics industries.

**Contact: [tmetal.com/contact](https://tmetal.com/contact)**

