

# TMP01

Aug 2025



| Alloy                             | Co                                              | Cr | W    | C   | Others             |
|-----------------------------------|-------------------------------------------------|----|------|-----|--------------------|
| <b>TMP01</b>                      | Balance                                         | 30 | 12.5 | 2.4 | 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>          | 50-56 HRC                                       |    |      |     |                    |
| <b>Apparent Density:</b>          | 4.98g/cm <sup>3</sup>                           |    |      |     |                    |
| <b>Flow Rate:</b>                 | 13.8s/50g                                       |    |      |     |                    |

**Application:**

- Valve seats
- Cutting blades
- Seal rings
- 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**

**TMP01** is a tungsten carbide-cobalt-chrome powder. 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.

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