

# TMP T-400

Aug 2025



Alloy	Co	Cr	Mo	C	Si	Others
<b>TMP T-400</b>	Balance	8.5	29	<0.08	2.5	Ni, Fe
<b>Powder Type:</b>	Gas Atomized					
<b>Particles Sizes Available:</b>	-150/+45µm, -180/+53µm, and others upon request					
<b>Typical Hardness:</b>	51-58 HRC					
<b>Apparent Density:</b>	-					
<b>Flow Rate:</b>	-					

**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**

**TMP T-400** combines excellent mechanical wear resistance with good corrosion resistance. T-400 contains hard intermetallic phases of Mo and Si which give the alloy excellent wear properties over a wide temperature range. T-400 exhibits outstanding resistance to galling. T-400C offers improved oxidation corrosion and high temperature wear resistance over T-400 as well as improved thermal shock resistance.

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