

# TMP706

Aug 2025



Alloy	Co	Cr	Mo	C	Others
TMP706	Balance	29	4.5	1.2	Si, Fe, Ni
Powder Type:	Gas Atomized				
Particles Sizes Available:	-150/+45µm, -180/+53µm, and others upon request				
Typical Hardness:	39-44 HRC				
Apparent Density:	4.75 g/cm <sup>3</sup>				
Flow Rate:	-				

**Application:**

- Valve seats and gates
- Pump shafts and bearings
- Seal rings
- 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**

**TMP706** is a high-performance cobalt-based material uses molybdenum and chrome as major alloying elements. This combination makes it ideal for combating extreme corrosive and wear problems. Parts made with TMP706 are served in aerospace, petrochemical and oil and gas industries.

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