



Alloy	Ni	Cr	Si	Others
TMPN50	Balance	11	4	B, C, Fe, Mn
<b>Chemical Name:</b>	Nickel- Chromium- Silicon			
<b>Powder Morphology:</b>	Gas Atomized			
<b>Particles Sizes Available:</b>	-100/+50, and others upon request			
<b>Typical Hardness:</b>	48-54 HRC			

**Application:** **Process:**

- Oil Excursion Screws
- Valve components
- Centrifuges
- Liner

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

**Hazards:** **Standard Sizes & Packaging:**

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

<b>Particle Size</b>	<b>Packaging</b>
-100/+50 microns	5kg/ bottle
And others upon request	

**Product Overview**

**TMPN50** is a nickel- chromium- silicon based powder that produces very hard dense corrosion surfaces with superior fusing characteristics. The strong corrosion resistant coatings can retain its hardness up to 400° C. TMP50 is ideal for use in wide variety of applications including bearings, extruder screw flights, valves and liners.

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