

TMPN40

Aug 2025



Alloy	Ni	Si	Cr	Others
TMPN40	Balance	3.5	7	B, C, Fe, Mo
Powder Type:	Gas Atomized			
Particles Sizes Available:	-150/+45µm, -180/+53µm, and others upon request			
Typical Hardness:	38-42 HRC			
Apparent Density:	-			
Flow Rate:	-			

Application:

- Oil Excursion Screws
- Valve components
- Centrifuges
- Liner

Process:

- PTA (Plasma Transferred Arc)
- Laser Cladding

Hazards:

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

Standard Sizes & Packaging:

Particle Size	Packaging
-150/+45µm, -180/+53µm	5kg/ bottle
And others upon request	

Product Overview

TMPN40 is a Nickel- Chromium- Silicon powder that can be processed by PTA and Laser cladding systems. TMPN40 produces smooth surface that resist to wear, corrosion, oxidation and galling. It is designed for a wide variety of applications including oil excursion screws, bushings, liner, centrifuges and valve components.

Contact: tmetal.com/contact

