

TMPN60

June 2020



Alloy	Ni	Cr	Si	Others
TMPN60	Balance	16	4.3	B, C, Fe
Chemical Name:	Nickel- Chromium- Silicon			
Powder Morphology:	Gas Atomized			
Particles Sizes Available:	-100/+50 microns, and others upon request			
Typical Hardness:	56-61 HRC			
Apparent Density:	4.21 g/cm ³			
Flow Rate:	16.4 sec/50g			
Melting Range:	970-1150 °C			

Application:

- Pump plungers
- Seal rings
- Oil extrusion screws
- Other machine parts subject to abrasive particles

Process:

- PTA (Plasma Transferred Arc)
- Laser Cladding

Hazards:

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

Standard Sizes & Packaging:

Particle Size	Packaging
-100/+50 microns	5kg/ bottle

And others upon request

Product Overview

TMPN60 offers good fusing characteristics and produces smooth coatings that is highly resistant to corrosion and abrasion. It can also be used when protection on small or flat areas is required. TMPN60 is ideal for a wide range of applications including pump plungers, seal rings, oil extrusion screws as well as other machine parts.

Contact: tmetal.com/contact