



Alloy	Ni	Si	B	Others
TMPN22	Balance	2.8	1.4	Cr, Fe, C
Chemical Name:	Nickel- Silicon- Boron			
Powder Morphology:	Gas Atomized			
Particles Sizes Available:	-150/+53, -90/+15 and others upon request			
Typical Hardness:	20-22 HRC			

Application:

- Glass forming molds
- Centrifuges
- Other molds

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
-150/+53 microns	5kg/ bottle
-90/+15 microns	

And others upon request

Product Overview

TMPN22 is a pre-alloyed gas atomized nickel-based powder specifically designed for PTA and Laser Cladding systems. It is primarily used for local repair and hardfacing of glass forming molds. TMP122 provides good wear resistance and retains its properties up to 315°C. The low melting point allows a smooth hard-wearing surface to be easily formed.

Contact: tmetal.com/contact