

# TMPN718

Aug 2025



Alloy	Ni	Cr	Fe	Mo	Others
<b>TMPN718</b>	Balance	19	19	3	Nb, Ta, C, Ti, Al
<b>Powder Type:</b>	Gas Atomized				
<b>Particles Sizes Available:</b>	-53/+15µm, -106/+45µm, and others upon request				
<b>Typical Hardness:</b>	40 HRC				
<b>Apparent Density:</b>	-				
<b>Flow Rate:</b>	-				

**Application:**

- Aerospace products

**Process:**

- 3D Printing

**Hazards:**

Observe safe practices.

See TMetal material safety data sheet for details.

**Standard Sizes & Packaging:****Particle Size**

-53/+15µm,

-106/+45µm

And others upon request

**Packaging**

5kg/ bottle

**Product Overview**

**TMPN718** is a nickel-chromium-iron vacuum alloy that is typically used for structural parts requiring strength up to 1300°F (704°C) and oxidation resistance up to 1800°F (982°C). This age-hardenable alloy can be readily cast and fabricated into complex parts and its welding characteristics, especially its resistance to postweld cracking, are outstanding. The ease and economy with which TMPN718 can be fabricated — combined with excellent tensile, fatigue, and creep and rupture strength — have resulted in its use in a wide range of applications.

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