

TMP18Ni300-AM

June 2021



Alloy	Fe	Ni	Co	Mo	Others
TMP18Ni300-AM	Balance	17-19	8.5-9.5	4.5-5.2	Al, Ti, Si
Powder Morphology:	Gas Atomized				
Particles Sizes Available:	15-45 μm, and others upon request				
Particle Size Distribution:	D10		D50		D90
	17.30μm		30.49μm		52.20μm
Apparent Density:	4.18g/cm ³				
Tap Density:	4.78g/cm ³				
Flow Rate:	17.10s/50g				

Application:

- High wear components and dies

Manufacturing Process:

- Additive Manufacturing

Hazards:

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

Packaging:

5kg/ bottle, others upon request

Product Overview

TMP18Ni300-AM has high toughness, strength, and hardness at high dimensional stability and low distortions. These properties make them suitable in manufacturing complex geometries that demand strength, toughness, and thermal stability. Applications include components and dies that experience high wear environments.

Contact: tmetal.com/contact