

TMP316L

June 2020



Product Overview

TMP316L stainless steel powder offers the highest degree of corrosion protection. It maintains good strength and toughness at high temperatures. TMP316L is extensively used in metal injection molding, powder metallurgy, sintering, 3D printing, filtration, and P/M stainless steel parts including small gears, cams, and connectors.

Chemical Composition	Fe	Cr	Ni	Mo	N	Si	C	O
TMP316L	Balance	16.80	13.00	2.20	0.04	0.90	0.02	0.20

Powder Properties			
Apparent Density (g/cm ³)	2.69		
Flow Rate (s/50g)	33		
Green Strength (PSI)	400	700	1100
Green Strength (g/cm ³)	6.25	6.60	6.83
Sintered Density (g/cm ³)	6.35	6.60	6.83
Elongation (%)	3.6	4.8	6.0

Application:

- MIM (Metal injection molding)
- Chemical filtration
- Lock parts
- Small gears, cams, and connectors

Particle Size Distribution (Wt%)

- D10.µm: 4.13
- D50.µm: 12.20
- D90.µm: 26.62
- -22µm: 81.8

Contact: tmetal.com/contact