

Typical Analysis and Properties

- Spherical Titanium Powder for Additive Manufacturing
- Particle Size Engineered for Selective Laser Melting (SLM) and Electron Beam Melting (EBM)
- Rigorous Quality Testing

Nitinol- is metal alloy powder consisting of nearly equivalent atomic percentages of nickel and titanium. Nitinol alloys the shape memory effect which is the ability to undergo deformation at one temperature, then recover its original, undeformed shape upon heating above its "transformation temperature". Nitinol also exhibits super-elasticity which makes it ideal for applications such as actuator components and bio-medical applications such as stents and orthodontics.

Typical Analysis

Nickel	Titanium	Hydrogen	Oxygen	Carbon	Nitrogen
54.5%	-	0.005%	0.05%	0.05%	0.05%

Laser Particle size Analysis					
Micrometers					
Grade	D10	D50	D90	AD	Flow
A	7-17	29-34	48-58	2.5 Min - 3.5 Max g/cm ³	N/F
B	27-37	41-46	68-78		
C	40-50	55-60	100-125		

