

## 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

**Ancor AM IN625** is a gas atomized nickel-chromium based superalloy powder. Parts made from this alloy exhibit excellent oxidation and corrosion resistance in aggressive environments over a wide range of service temperatures. The addition of molybdenum and niobium in this alloy provide solution strengthening so that the alloy does not generally require heat treatment. The high tensile and creep strength combined with the excellent weldability make the alloy ideal for marine and aerospace applications..

## Typical Analysis

Nickel	Chromium	Iron	Molybdenum	Aluminum	Niobium	Oxygen	Carbon	Nitrogen
60.37%	21.87%	2.340%	9.390%	0.450%	3.9%	1.06%	0.012%	0.064%

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 <sup>3</sup>	N/F
B	27-37	41-46	68-78		
C	40-50	55-60	100-125		

