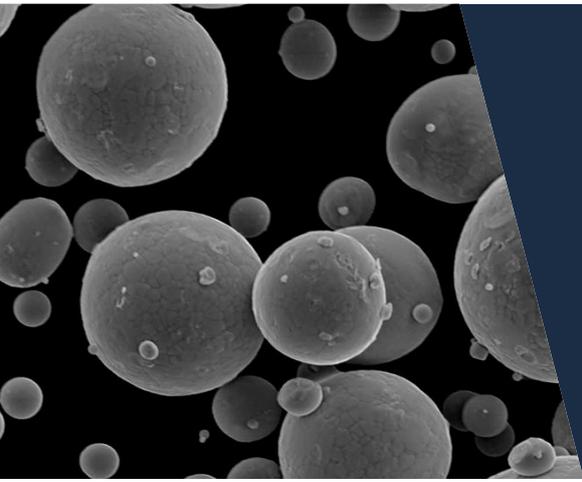


ANCOR AM IN625



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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.

CONTACT INFORMATION

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- > Spherical Powder for Additive Manufacturing
- > Particle Size Engineered for Laser Powder Bed Fusion (LPBF), Electron Beam Melting (EBM)
- > Rigorous Quality Testing to AS9100 "D"
- > Powder Size Available for Metal Injection Molding and DED, "Direct energy deposition"

Typical Powder Characteristics

Laser Particle Size Analysis [μm]				Powder Properties		Application
Size Type	D10	D50	D90	Flow	AD	
<25	6	15	23	--	--	MIM, Binder Jetting
15-53	20	35	50	--	--	LPBF
45-105	50	75	103	--	--	EBM, Laser Cladding

ANCOR AM IN625

Chemical Composition Nominal (wt%)						Maximum (wt%)	
Nickel	Chromium	Niobium	Molybdenum	Iron	Aluminum	Oxygen	Carbon
Bal.	22.5	3.9	9.4	3.5	0.4	0.02	0.01

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