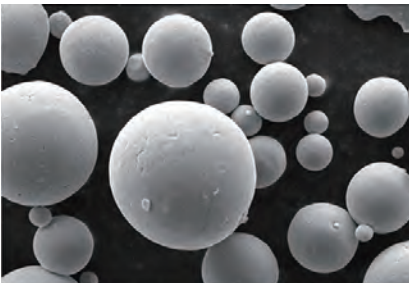


About AMC Powders

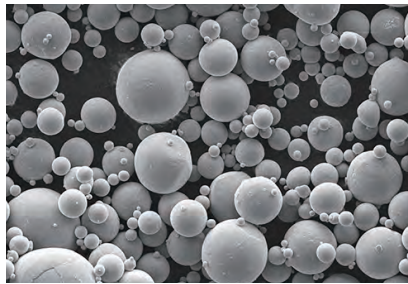
AMC Powders is the major spherical titanium powder producer in the world, to manufacture the powder in industrial quantities and of the highest quality standards in the advanced process of EIGA and VIGA, with the properties of high sphericity, few satellites, excellent purity, low oxygen content, great flowability, well-proportioned particle size distribution, etc.

Main Powders

- ▶ Titanium Alloy Powders: CPTi, Ti-6Al-4V
- ▶ Nickel Alloy Powders: Inconel718, Inconel625
- ▶ Other Customized Metal Powders.
- ▶ Aluminum Alloy Powders: AlSi10Mg
- ▶ Iron Alloy Powders: 316L



CPTi



Ti-6Al-4V



Advanced Powders

Product Examples



Application



Additive Manufacturing



Metal Injection Molding(MIM)

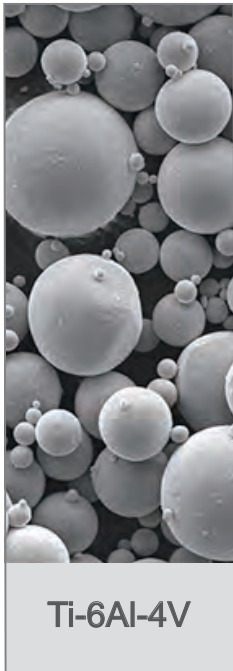


Coating and Spray



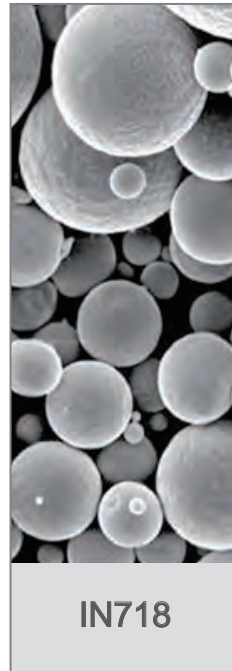
Hot Isostatic Pressing(HIP)

Datasheet



Chemical composition (nominal) (wt%)		
Element	Min	Max
Al	5.50	6.75
V	3.50	4.50
O	0.07	0.15
Fe	--	0.30
C	--	0.10
Sn1	--	0.10
Mo1	--	0.10
Cu1	--	0.10
Mn1	--	0.10
Zr	--	0.10
N	--	0.04
H	--	0.012
OE	--	0.20
Ti	Bal	

1 Total amount of these four elements shall not exceed 0.20%



Chemical composition (nominal) (wt%)		
Element	Min	Max
C	--	0.08
Mn	--	0.35
Si	--	0.35
P	--	0.35
S	--	0.015
Cr	17.0	21.0
Co	--	1.00
Mo	2.80	3.30
Nb+Ta	4.75	5.50
Ti	0.75	1.15
Al	0.30	0.70
Fe	Bal	
Cu	--	0.30
Ni	50.00	55.00
B	--	0.006

Benefits



Commercial Scale



Controlled Particle Size



High Sphericity



High Purity

Process



EIGA



VIGA