



forAM[®] CP-Ti G2

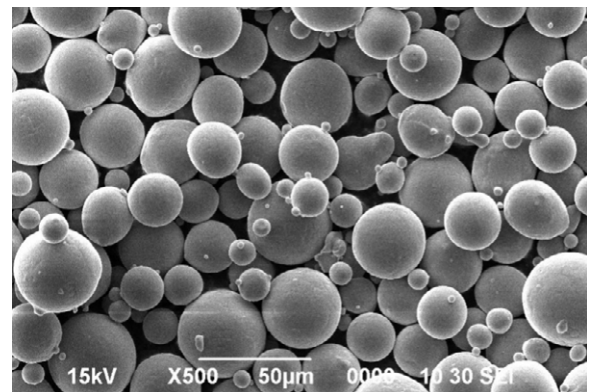
Commercially pure Ti powder for additive manufacturing

General material description

Commercially pure Ti has good strength to weight ratio combined with high elongation. It possess high corrosion resistance, very good cryogenic properties and good biocompatibility. Such properties combination make the material a good choice for components of chemical and cryomachinery as well the applications in medical and dental industries. High cleanliness level and good processibility of Höganäs Ti powders allows multiple recycling cycles and therefore reducing total cost in production of Ti based components.

Powder chemical composition complies with:

- ASTM B348
- ASTM F67



For more information on Höganäs products, please contact your local sales representative.

Chemical composition

Powder grade	Particle size μm	Chemical composition, wt %					
		Ti	Fe	O	C	N	H
forAM CP-Ti G2 15-53 EG	15-53	Bal.	≤ 0.08	≤ 0.17	≤ 0.03	≤ 0.03	≤ 0.01
forAM CP-Ti G2 45-106 EG	45-105	Bal.	≤ 0.08	≤ 0.10	≤ 0.03	≤ 0.03	$\leq 0,01$

Other elements: $\leq 0,40\%$ total; $\leq 0,10\%$ each

Typical powder properties

Powder grade	Particle size μm	D50	Apparent density g/cc
forAM CP-Ti G2 15-53 EG	15-53	31	2.32
forAM CP-Ti G2 45-106 EG	45-106	60	2.33

Measurement standards

Apparent density

MPIF04, ASTM B212, ISO 3923/1

Particle size distribution

ASTM B822

Packaging

Powders are packed in 25 kg steel drums with polymer liner filled with Ar