



DRAFT2

forAM® CP-Ti G1/G2 45-106 EG

Commercially pure Ti powder for additive manufacturing

General material description

Höganäs forAM CP-Ti G1/G2 EG is highly spherical powder for additive manufacturing. 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.

Höganäs Ti based powders are produced via tungsten-free and crucible free manufacturing process, which excludes risk of heavy metal contamination in the material. High cleanliness level and good processability enables multiple recycling and therefore reducing total cost in production of Ti based components.

Powder chemical composition complies with:

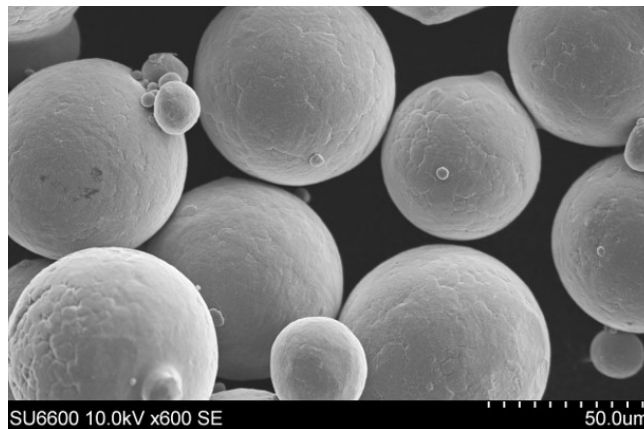
- » ASTM B348
- » ASTM F67

Scan the QR code to learn more about the forAM product line and other Höganäs products.



Powder properties

Chemical composition, (typical values)	
Element	Content, %
Ti	Balance
Fe	≤0.08
O	≤0.17 (0.09)
C	≤0.03
N	≤0.03
H	≤0.01



Typical powder properties		
Nominal particle range	45-106 μm	MPIF05, ASTM B214, ISO4497
Hall flow	30 s/50g	MPIF03, ASTM B213, ISO4490
Apparent density	2.35 g/cm ³	MPIF04, ASTM B212, ISO3923/1

Standard packaging:

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