



## forAM<sup>®</sup> 316L WA

Austenitic stainless steel powder for Binder Jet

**forAM 316L** is a leading stainless steel material used across additive manufacturing technologies, characterised by providing very high corrosion resistance at medium strength. It is normally used in high demanding applications found in medical, dental, luxury and IT related segments.

Höganäs specially water atomised forAM 316L WA powder is developed to provide high sinterability and limit furnace maintenance.

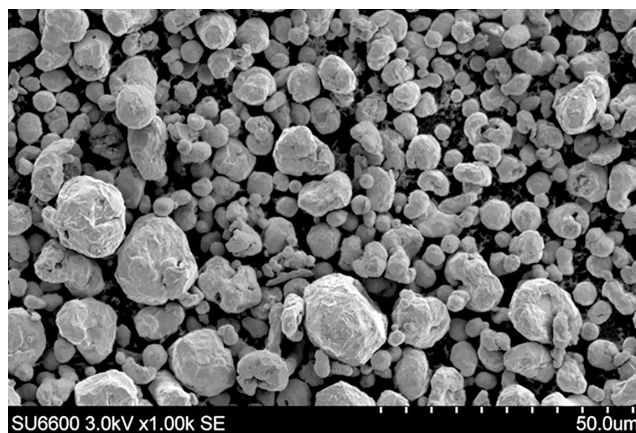
### Equivalent materials:

- » X2CrNiMo17-12-2
- » X2CrNiMo17-12-3
- » 1.4404
- » AISI 316L

**For more information on forAM product line and other of Höganäs products, please contact your local sales representative.**

## Powder properties

Chemical composition specification	
Element	Content, %
Cr	16.0-18.0
Ni	10.0-14.0
Mo	2.0-3.0
Si	< 1.0
C	< 0.03
Mn	< 2.0
Fe	Balance



Powder properties specification	
D50	13-16 $\mu\text{m}$
Tap Density	min. 4.55 g/cm <sup>3</sup>

## Typical mechanical properties

Heat treatment	As sintered <sup>(1)</sup>
Sintered density (%)	99
UTS (MPa)	505
YS (MPa)	175
Elongation (%)	50

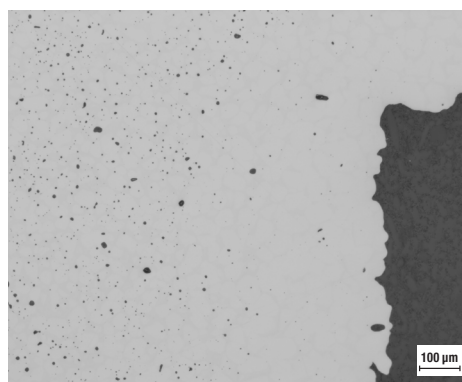
(1) Sintering condition, 1,380 °C for 2h in H<sub>2</sub>

## Standard packaging:

22.7 kg metal drum with polymer liner

45.4 kg metal drum with polymer liner

(Other tailored particle sizes and packaging are available under conditions)



forAM® 316L WA sintered structure