



forAM[®] 247LC 15-45 VG

Advanced nickel superalloy for Additive Manufacturing

forAM 247LC is a vacuum induction melted, argon gas atomized, and spherical powder for additive manufacturing. The alloy contains a high amount of γ' (Ni₃(Al, Ti)) volume fraction and refractory elements such as Ta, W and Mo. Due to its high creep and corrosion resistant is the forAM 247LC a good candidate for high temperature applications like aerospace and land-based gas turbine components with high service temperatures.

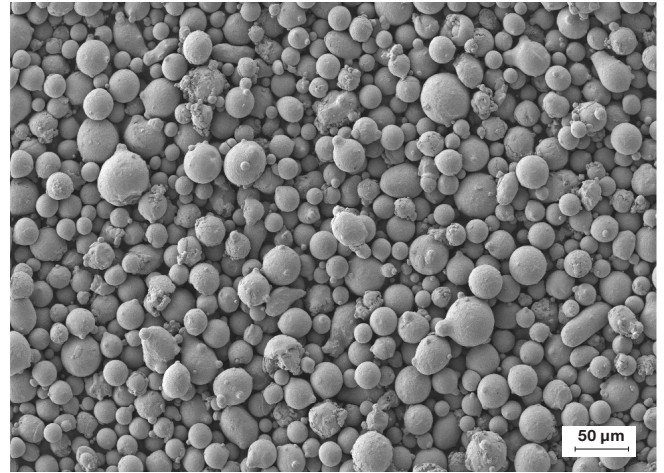
Equivalent materials:

» MAR M 247™ LC

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

Powder properties

Chemical composition, (typical values)	
Element	Content, %
Cr	8.2
Co	9.2
Ti	0.8
Al	5.5
B	0.015
Mo	0.5
C	0.06
Ta	3.2
W	9.6
Zr	0.01
Hf	1.4
Ni	Balance



Typical powder properties		
Nominal particle range	15-45 μm (max 5% over- and undersize)	MPIF05, ASTM B214, ISO4497
Hall flow	15 s/50 g	MPIF03, ASTM B213, ISO4490
Apparent density	4.3 g/cc	MPIF04, ASTM B212, ISO3923/1

Standard packaging:

30 kg (6x5 kg, 2.5 L PE bottles packed in cardboard box)

200 kg / 500 kg Flexbag

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