

## forAM<sup>®</sup> 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  $\ddot{y}$  (Ni3(AI, 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<sup>™</sup> 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	
AI	5.5	
В	0.015	
Мо	0.5	
C	0.06	
Та	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)



At Höganäs, we have designed our high-quality 3D printing metal powders for the special requirements of additive manufacturing. Manufacturers all over the globe achieve optimal results with our products and value them for the following characteristics: excellent flowability, good spherical shape, controlled oxygen and nitrogen content, full and high packing density and perfect reproducibility.