



forAM[®] 230 15-45 VG

Advanced nickel superalloy for Additive Manufacturing

forAM 230 VG is a vacuum induction melted, argon gas atomized, and spherical powder for additive manufacturing. The material has a good balance of high-temperature strength and oxidation. Due to pronounced resistance to grain coarsening at elevated temperature has the material excellent long-term thermal stability.

Some typical applications of forAM 230 are parts for hot gas path of gas turbines, as well as high temperature application in chemical industry due to high resistance to oxidation and nitridation.

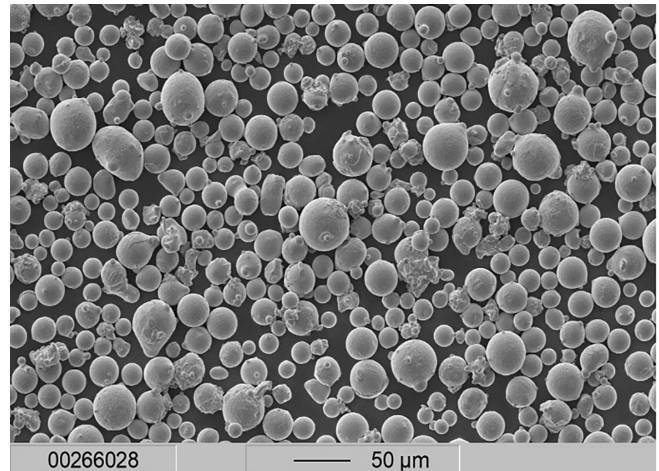
Equivalent materials:

- » UNS N06230
- » NiCr22W14Mo
- » 2.4733

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	22
Si	0.5
Al	0.35
C	0.07
Mo	2
Mn	0.6
La	0.01
W	14
Ni	Balance



Typical powder properties		
Nominal particle range	15-45 µm (max 5% over and under size)	MPIF05, ASTM B214, ISO4497
Hall flow	16 s/50 g	MPIF03, ASTM B213, ISO4490
Apparent density	4.2 g/cm ³	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)