



Amperprint® 0211

Ni-SA 230, advanced nickel superalloy for powder bed fusion

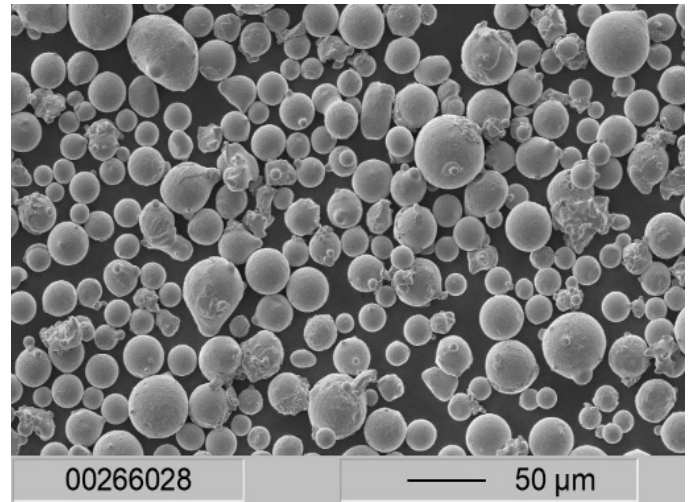
General material description

Amperprint 0211 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 **Amperprint 0211** 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.

For more information on Amperprint and other Höganäs products, please contact your local sales representative.

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 undersize)	MPIF05, ASTM B214, ISO4497
Hall flow	18 s/50 g	MPIF03, ASTM B213, ISO4490
Apparent density	4.2 g/cc	MPIF04, ASTM B212, ISO3923/1

Standard packaging:

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

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