



Amperprint® 0037 CoCrMo

Advanced cobalt-based superalloy for powder bed fusion

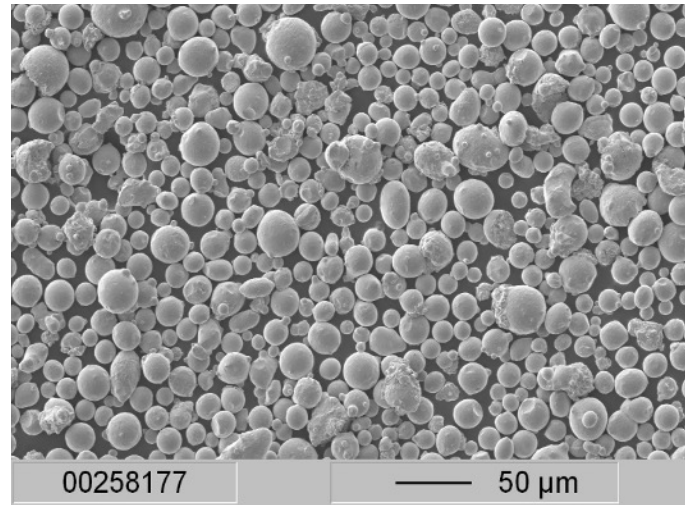
General material description

Amperprint 0037 is a vacuum induction melted, gas atomized, and spherical powder for additive manufacturing. The alloy is a cobalt-chromium-molybdenum-based superalloy with excellent mechanical properties, wear and corrosion resistance, biocompatibility and a very high specific strength.

Typical applications of **Amperprint 0037** are the orthopaedic implants, dental implants and gas turbine components.

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

Chemical composition, % (typical values)	
Element	Content, %
Cr	28
Mo	6
C	< 0.01
Ni	< 0.04
Co	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)