

CEWELD Powder 316L

TYPE Stainless Steel 316L metal powder

APPLICATIONS CEWELD® Powder 316L produces low carbon high corrosion resistant coatings that are bright, dense and resistant to wear. These coatings can easily be machined to a very good finish with ordinary steel tools.

Typical Uses and Applications

Corrosion: Rolls used in the printing industry, Pump plungers, Shafts, Seal rings, Impellers, Hydraulic rams

Cavitation: Wear rings on hydraulic turbines, Diesel engine, cylinder liners, Pumps,

Low temperature particle erosion: Exhaust fans, Hydraulic valves, Cyclone dust collectors, Dump valve plugs and seats,

Salvage / buildup on mismachined or worn steel parts

PROPRIÉTÉS CEWELD® Powder 316L is a austenitic, nickel-chromium stainless steel alloy that offers the highest degree of corrosion protection that is available in a standard stainless steel grade. It provides very good strength at extremely high temperatures.

Standard particle size: 150/52 µm

Other available grain sizes:

106/20 µm, 106/38 µm, 106/45 µm, 125/38 µm, 125/45 µm, 150/45 µm, 150/53 µm, 150/63 µm, 180/53 µm, 180/63 µm, 210/63 µm, 250/45 µm, 63/20 µm, 75/20 µm

CLASSIFICATION EN ISO 14232-1 CrNiMo18123
W.Nr. 1.4430

CONVIENT POUR

- DMLS, (direct metal laser sintering)
- LMD, (laser metal deposition)
- PTA (plasma Transferred Arc)
- HVOF (High Velocity Oxygen Fuel)

AGRÉMENTS CE

POSITIONS DE SOUDAGE

ANALYSE CHIMIQUE
TYPIQUE DU MÉTAL DE
SOUDURE (%)

C	Cr	Ni	Si	Mo
0.02	17	12	0.8	2.5

PROPRIÉTÉS MÉCANIQUES

ETUVAGE Not required

GAS ACC. EN ISO 14175