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
PROPERTIES	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
SUITABLE FOR	• DMLS, (direct metal laser sintering) • LMD, (laser metal deposition) • PTA (plasma Transfered Arc) • HVOF (High Velocity Oxygen Fuel)
APPROVALS	CE
WELDING POSITIONS	

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Cr	Ni	Si	Mo
0.02	17	12	0.8	2.5

MECHANICAL PROPERTIES

REDRYING Not required

GAS ACC. EN ISO 14175