

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 <i>Other available grain sizes:</i> 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			
SUITABLE FOR	• DMLS, (direct metal laser sintering) • LMD, (laser metal deposition) • PTA (plasma Transferred 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					