

CEWELD Powder C-276

TYPE	Nickel-Chromium-Molybdenum-Tungsten based metal powder					
APPLICATIONS	CEWELD® Powder C-276 is a nickel-based superalloy powder that combines high wear and corrosion resistance. Typical Areas of Use and Applications Chemical Process , Petrochemical, Oil & Gas, Pharmaceutical, Geothermal , Sea Water, LNG (Liquefied Natural Gas), Nuclear Power Applications in chemical processing: gate valves, pump components, pistons, compressor rods Pulp and paper production: digesters, liquor tanks Gas turbine applications: ducts, extraction distributor rings, (rocket engine components)					
PROPERTIES	CEWELD® Powder C-276 is similar to Hastelloy C276 and produces coatings with excellent corrosion resistance. It is resistant to crevice corrosion, pitting corrosion, and a wide range of media, including sulfuric acid and chlorine. Protection against sliding wear and corrosion at high temperatures; resistant to abrasion and seizing, oxidation resistance up to 980 °C (1800 °F) Corrosion and wear resistance up to 875 °C (1600 °F) Petrochemical applications: pump pistons, linings, sleeves, compressor rods Standard particle size: 150/52 µm <i>Other available grainsizes:</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 Ni MoCrFeW 161535				
	W.Nr.	~ 2.4819				
SUITABLE FOR	• DMLS, (direct metal laser sintering) • LMD, (laser metal deposition) • PTA (plasma Transferred Arc) • HVOF (High Velocity Oxygen Fuel)					
APPROVALS						
WELDING POSITIONS						
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Cr	Ni	Fe	W	Mo
	0.008	15	Rem.	4	3.5	16
MECHANICAL PROPERTIES						
REDRYING	Not required					
GAS ACC. EN ISO 14175						