


CEWELD Powder 8812-Ni

TYPE	Carbide powder, agglomerated and sintered	
APPLICATIONS	carbide powder for wear resistant coatings produced by flame-, plasma or high velocity- flame-spraying (HVOF). Tungsten-Carbide-Nickel-coatings are resistant to abrasion and oxidation. In comparison with WC-Co layers they show an improved corrosion resistance in aqueous solutions. Plasma sprayed coatings can achieve a hardness of up to 1000 HV0.1 and tensile strength acc. to DIN 50160 of 60 N/mm ² . The maximum operating temperature is 750°C.	
PROPRIÉTÉS	Crystal size of WC Apparent Density (ISO 3923-2) Particle Size Range in µm Particle Shape 2.5 µm FSSS 4.3 – 5.4 g/cm ³ 22/5 - 38/15 - 53/22 Preponderant spherical	
CLASSIFICATION	EN ISO	14232-1 WC-Ni 88/12
CONVIENT POUR	Augers, impellers, shafts, hydraulics, pulling equipment, fan blades etc.	
AGRÉMENTS		
POSITIONS DE SOUDAGE		
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	Ni	WC
	12	88
PROPRIÉTÉS MÉCANIQUES		
ETUVAGE	Not required	
GAS ACC. EN ISO 14175	None	