

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/mm². 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/cm³ 22/5 – 38/15 – 53/22 Preponderant spherical						
CLASSIFICATION	EN ISO	14232-1 WC-Ni 88/12					
CONVIENT POUR	Fan blades, Pump components, Dies, Valve seats, Oilfield equipment Other protective measures against erosion, abrasion, and sliding wear...						
AGRÉMENTS							
POSITIONS DE SOUDAGE							
ANALYSE CHIMIQUE TYPIQUE DU MÉTAL D'APPORT (%)	<table><tr><td>Ni</td><td>WC</td></tr><tr><td>12</td><td>88</td></tr></table>			Ni	WC	12	88
Ni	WC						
12	88						
PROPRIÉTÉS MÉCANIQUES							
ETUVAGE	Not required						
GAS ACC. EN ISO 14175	None						