

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.						
PROPERTIES	Powder type: agglomerated with sintered Components Carbide size: 2,5 µm FSSS Density (ISO3923-2): 4.2-5.5 g/cm ³ (dependent on designated size) Particle shape: preponderantly spherical Typical grain size for sale: -53+22 µm ask for other						
CLASSIFICATION	EN ISO	14232-1 WC-Ni 88/12					
SUITABLE FOR	Augers, impellers, shafts, hydraulics, pulling equipment, fan blades etc.						
APPROVALS							
WELDING POSITIONS							
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<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						
MECHANICAL PROPERTIES							
REDRYING	Not required						
GAS ACC. EN ISO 14175	None						