

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: predominantly 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, pumping equipment, fan blades etc.					
APPROVALS	No Approvals Found					
WELDING POSITIONS						
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Ni</th> <th style="text-align: center;">WC</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">12</td> <td style="text-align: center;">88</td> </tr> </tbody> </table>		Ni	WC	12	88
Ni	WC					
12	88					
REDRYING TEMPERATURE	Not required					
GAS ACCORDING EN 14175	None					