CEWELD Powder 8812-Ni

TYPE	Carbide powder, agglomerated and sintered
APPLICATIONS	carbide powder for wear resistant coatings produced by flame-, plasma or hig hvelocity- 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: agglomereted 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, impellors, shafts, hydraulics, pulling equipment, fan blades etc.
APPROVALS	
WELDING POSITIONS	

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

Ni	WC
12	88

MECHANICAL PROPERTIES

REDRYING	Not required
GAS ACC. EN ISO 14175	None