

WC

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/mm². 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/cm³ (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.

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APPROVALS No Approvals Found

WELDING POSITIONS

PC

Not required

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

REDRYING TEMPERATURE

AL (70)

GAS ACCORDING EN 14175 None