

CEWELD Powder 8812-Ni

TYPE	Carbide powder, agglomerated and sintered						
APPLICATIONS	CEWELD® Powder 8812-Ni is a carbide powder used to produce wear-resistant coatings via flame, plasma, or high-velocity oxygen fuel (HVOF) spraying. Areas of application include: Fan blades, Pump components, Dies, Valve seats, Oilfield equipment Other protective measures against erosion, abrasion, and sliding wear...						
PROPERTIES	CEWELD® Powder 8812-Ni is ideal for applications requiring improved corrosion resistance compared to WC-Co types. The powder produces a hard, abrasive, and corrosion-resistant coating. High-gloss polished surfaces, similar to chrome, can be achieved using standard grinding or lapping processes. Typical hardness: 68 HRc Standard grain size: 53/20 µm Also possible: 45/15 µm, 45/20 µm, 53/20 µm						
CLASSIFICATION	EN ISO	14232-1 WC-Ni 88/12					
SUITABLE FOR	Fan blades, Pump components, Dies, Valve seats, Oilfield equipment Other protective measures against erosion, abrasion, and sliding wear...						
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						