CEWELD NiCrBSi 6 Tig (Colmonoy 6)

certilas® THE FILLER METAL SPECIALIST

TYPE

Nickel based Tig filler metal for hardfacing and overlay applications.

TOEPASSINGEN

NiCrBSi 6 TIG offers outstanding metallurgical and physical properties making them ideally suited to solving wear mechanisms such as abrasion, erosion, corrosion and high-temperatures encountered in service.

EIGENSCHAPPEN

This nickel based alloy offers superior wear protection, retaining its hardness up to 600°C (1000°F) with significant resistance to oxidation.

CLASSIFICATIE

AWS A 5.21: ERNiCr-C

GESCHIKT VOOR

Aircraft gas turbines, steam turbine powerplants, turbochargers and valves in reciprocating engines, prosthetic devices, heat treating equipment, pollution control equipment, coal gasification and liquefaction systems, and components in pulp and paper mills.

GOEDKEURINGEN

LASPOSITIES

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Ni	Cr	B	Si	Fe
0.7	Rem.	14	3	4.25	4

MECHANISCHE WAARDEN

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded				55.5 HRc

HERDROGEN

Not required

GAS ACC. EN ISO 14175

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