



CEWELD SP 95/5 (NiAl)

TYPE

ANWENDUNGEN

EIGENSCHAFTEN

KLASSIFIKATION

GEEIGNET FÜR

ZULASSUNGEN

SCHWEISSPOSITIONEN

TYPISCHE CHEMISCHE ANALYSE DES FÜLLMETALLS (%)

MECHANISCHE GÜTEWERTE

RÜCKTROCKNUNG

GAS ACC. EN ISO 14175

SP 95/5 is a Nickel-Aluminum based alloy for use as a bonding layer with the thermal spray process

New coatings on machine parts and shafts to increase life, rebuilding wornout parts etc. Layer thickness: approximately 0.1- 0.15 mm.

This alloy offers the highest bonding properties available for both the Flame spray process as the Arc Spray process. The wire has a high polished and clean surface to assure the best feeding and thermal spray properties. Sprayed layers of this material are-resistant to variation in high temperatures and are used as a buffer layer for all other spraying alloys. Hardness, coating macro: approximately HRc 22. Maximum working temperature: approximately 850 °C

EN ISO14919: 6.5

Shafts, Clutches, Gliding surfaces, Valves, Bond coatings etc.

PC

Si	Mn	Ti	Fe	Al	Ni
0.2	0.2	0.2	0.1	5.2	Rem.

Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Hardness
As Welded				75 HB

Not required

None