CEWELD Alloy C-276 Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Nickel based Tig filler metal for welding similar NiCrMo alloys.

APPLICATIONS

CEWELD Alloy C276 is used for welding materials of similar composition. This low carbon nickel-chromium-molybdenum filler metal can also be used for dissimilar welding between nickel base alloys and stainless steels, as well as for surfacing and cladding on low alloyed steels.

PROPERTIES

Due to high molybdenum content this alloy offers excellent resistance too stress & corrosion cracking, pitting and crevice corrosion. High mechanical properties with excellent weldability.

CLASSIFICATION

AWS	A 5.14: ERNiCrMo-4
EN ISO	18274: S Ni 6276 (NiCr15Mo16Fe6W4)
W.Nr.	2.4886
F-nr	43
FM	6

SUITABLE FOR

Alloy 276, Ni 6276 (NiCr15Mo16Fe6W4). 2.4886, 2.4887
M.No: 1.5680, 1.5682, 2.4819, 2.4883
NiMo16Cr15W, X12Ni5 / 12Ni19, X8Ni9, G-NiMo16Cr
Alloy C4, Hastelloy C276, A494CW-12MW, A743 / A744CW-12M

APPROVALS

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Si	Mn	P	S	Cr	Ni	Mo	V	Fe	W	Co	Cu
0.01	0.07	0.4	0.02	0.01	15.5	60	16	0.2	5	3.5	1	0.2

MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Impact Energy (J) ISO-V	Hardness
				RT	
As Welded	470	740	32	100	HRc

REDRYING

Not required

GAS ACC. EN ISO 14175

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ALLOY C-276 TIG 1,2 X1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419934

ALLOY C-276 TIG 1,6 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663420008

ALLOY C-276 TIG 1,6 X1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663419996

ALLOY C-276 TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663420015

ALLOY C-276 TIG 2,0 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663420022

ALLOY C-276 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663420039

ALLOY C-276 TIG 2,4 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663420046

ALLOY C-276 TIG 3,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663420053

ALLOY C-276 TIG 3,2 X 914MM

Packaging	KG/unit	EanCode
Tube	4,54	8720663420060