

CEWELD ERTi-12

TYPE Titanium Mig welding wire grade 12

ANWENDUNGEN This alloy finds his applications in chemical industry and offers excellent Weldability. Often recommended for pressure vessels and piping for its superior strength alone.

EIGENSCHAFTEN ERTi-12. Grade 12 (Ti 0.8Ni0.3Mo) is an intermediate strength grade originally developed to provide enhanced crevice-corrosion resistance in high temperature brines, but at lower cost than Grade 7. The improved performance is believed to be the result of Ni++ and Mo++ ions that alter the surface electrochemistry of the material in the crevice or under a surface deposit. Grade 12 has better elevated temperature properties than Grade 2 or 3 and is sometimes specified for pressure vessels or piping for its superior strength alone.

KLASSIFIKATION AWS A 5.16: ERTi-12
EN ISO 24034: S Ti 3401 / TiNi0,7Mo0,3

GEEIGNET FÜR 3.7105
Titanium grade 12, Grade 7, Grade 2 and Grade 3
R56400
Ti3AL-1,5Mn

ZULASSUNGEN

SCHWEISSPOSITIONEN



TYPISCHE CHEMISCHE ANALYSE DES SCHWEISSMETALLS (%)

C	Ni	H	N	O	Fe	Ti
0.02	0.8	0.005	0.01	0.12	0.1	Rem.

MECHANISCHE GÜTEWERTE

Heat Treatment	R _{P0,2} (MPa)	R _m (MPa)	A5 (%)	Hardness
As Welded	345	480	20	HRc

RÜCKTROCKNUNG Not required

GAS ACC. EN ISO 14175

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