CEWELD AlSi 12 Tig

certilas® THE FILLER METAL SPECIALIST

TYPE

Aluminium silicon alloy for welding cast aluminum parts, also suitable as brazing alloy with suitable flux.

TOEPASSINGEN

Aluminium alloy for welding and brazing. This material is generally used for brazing aluminium sheets, for extrusions and castings. (After anodizing the weld will be of a different color)

EIGENSCHAPPEN

CEWELD® AlSi12 Tig was originally developed as a brazing alloy to take advantage of its low melting point and narrow freezing range. In addition, it has a higher silicon content than AlSi5, which provides increased fluidity and reduced shrinkage. Hot cracking is significantly reduced when using AlSi12 as a filler alloy. The alloy may be used in applications at sustained elevated temperatures. Non-heat treatable. Thicker sections should be preheated (150°C) prior to welding.

CLASSIFICATIE

AWS	A 5.10: ER4047A
EN ISO	18273: S Al 4047A (AlSi12(A))
W.Nr.	3.2885
F-nr	23

GESCHIKT VOOR

G-AlSi10Mg, G-AlSi11 G-AlSi12 (Cu), G-AlSi7Mg, G-AlSi6Cu4 , G-AlSi9Mg, G-AlSi9Cu3, 4145, 3.2581, 3.2583, 3.2381, 3.2383, 3.2373, 3.2163, 3.2371, 3.2151, B 413.0, 361.0, 359.0, 356.0, 319.0, Cast aluminium

GOEDKEURINGEN

CE

LASPOSITIES

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

Si	Mn	Ti	Fe	Cu	Zn	Al	Mg
12	0.1	0.1	0.3	0.2	0.1	Rem.	0.05

MECHANISCHE WAARDEN

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded	75	170	12	HRc

HERDROGEN

Not required

GAS ACC. EN ISO 14175

I1, I3

CEWELD AlSi 12 Tig

ALSI 12 TIG 1,6 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407665

ALSI 12 TIG 2,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407658

ALSI 12 TIG 2,4 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407672

ALSI 12 TIG 3,2 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407689

ALSI 12 TIG 4,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407696

ALSI 12 TIG 5,0 X 1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663407702