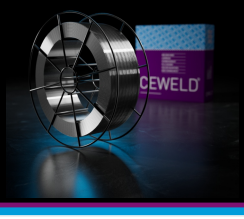

CEWELD AlSi10Cu4

certilas® THE FILLER METAL SPECIALIST

TYPE	Aluminium welding wire 4145 for Tesla
APPLICATIONS	Filler metal for welding of AlCu alloys. Approved alloy for structuaral repairs of TESLA vehicles. Low melting point and excellent penetration characteristics.
PROPRIÉTÉS	Superior resistance to stress corrosion where high temperature properties are required. It is not recommended to use this alloy for welding aluminium alloys with a high magnesium content. Low melting point: 521 - 584°C
CLASSIFICATION	AWS A 5.10: ER4145 EN ISO 18273: S Al4145 F-nr 22
CONVIENT POUR	EN AW 2219 AlCu6Mn EN AW 2014 AlCu4SiMg 3.1255 EN AW 2036 AlCu2,6Si0,5Mg0,3 EN AC 45000 G-AlSi5Cu3 EN AW 4145 AlSi10Cu4 Structural repairs of TESLA vehicles
AGRÉMENTS	CE
POSITIONS DE SOUDAGE	

ANALYSE CHIMIQUE TYPIQUE DU MÉTAL D'APPORT (%)

Si	Mn	Cr	Fe	Cu	Zn	Al	Mg
9.9	0.04	0.01	0.34	3.5	0.02	Rem.	0.03

PROPRIÉTÉS MÉCANIQUES

ETUVAGE	Not required
GAS ACC. EN ISO 14175	I1, I3