TIG CUAG

Old reference: TIG CuAg

Classification

ISO 24373 : S Cu 1897 (CuAg1) Material N° : 2.1211

Description & Applications

Solid rod for TIG welding of oxygen free Copper and cooper alloys were a high electrical conductivity is required. For equipments and pipes made of cooper and especially for conductor rails. Good flow, porosity free welds seams and high electrical conductivity due to the alloying with Silver. The melting temperature is relatively low and projections are minor.

Typical Chemical Composition (%)

Ag	Mn	Mn	P	Cu
1.0	0.6	0.06	0.01	Rem.

All Weld Metal Mechanical Properties

$R_{p0.2}$ (MPa)	R_m (MPa)	A_5 (%)	Electrical conductivity (Sxm/mm^2)
60	190	35	40-46

Welding Current & Instructions

Welding mode	Shielding Gas
TIG = -	Ar : 5-10 l/min Argon / He : 5-10 l/min

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