



TIG CUAG

Classification

ISO 24373 : S Cu 1897 (CuAg1)

Description & Applications

Solid rod for GTAW of Oxygen free Copper and Copper alloys where a high electrical conductivity is required.

Main applications: Electrical conductor.

Typical Chemical Composition (%)

	Al	Fe	Mn	Ni+Co	P	Pb	Si	As	Ag	O/T	Cu+Ag
Min					0.01				0.8		99.5
Max	0.01	0.05	0.2	0.3	0.05	0.01	0.1	0.05	1.2	0.2	
Type	0.001	0.01	0.06	0.02	0.015	0.005	0.02	0.01	0.9	<0.2	>99.5

All Weld Metal Mechanical Properties

	R _{p0.2} (MPa)	R _m (MPa)	A ₅ (%)	Electrical conductivity (S.m/mm ²)
Min	-	-	-	
Max				
Type	60	190	35	40-46

Welding Current & Instructions

Welding mode	Shielding Gas
GTAW = -	ISO 14175: I1 (100% Ar) / I2 (100% He) / I3 (Ar+ 5-30%He) 5-10 L/min

Preheating of massive parts between 200°C (>6mm) up to 500°C (>15mm).

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Fumes: Consult information on MSDS, available upon request.

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