

WISDOM Thermal Spray Consumables

Copper base alloy



CuSi3Mn1

DATA SHEET

November 2015

Introduction

CuSi3Mn1 is primarily used for TIG, MIG, and oxyacetylene welding of copper, copper-silicon and copper-zinc base metals to themselves and to steel. Recommended for plain, galvanized steel sheet metal or other coated steels.

SURFACE PREPARATION

Surface should be clean, white metal, with no oxides (rust), dirt, grease, or oil on the surface to be coated. Note: It is best not to handle surfaces after cleaning.

Recommended method of preparation is, to grit blast with 24 mesh aluminum oxide, rough grind, or rough machine in a lathe.

Application

- Electric light industry, machinery manufacturing, Building industry ,defense industry, and other fields Manufacturing industrial
- Valves and fittings,Instrument sliding bearing

Composition(standard value)%

Class	Alloy	Cu	Mn	Si	Others
Cu65500	CuSi3Mn1	Rest	1	3	<0.5

Standard Sizes & Packing

Diameter	Dimension Tolerance	Packing	Wire Weight
1/16"(1.6mm)	+0/-0.05	D 300 Spool	15kgs(33 lbs)/spool
2.0mm	+0/-0.05	D 300 Spool	15kgs(33 lbs)/spool
1/8"(3.17mm)	+0/-0.05	Coil Form	20-400kgs/coil

Other sizes can be produced by customers' requirement.