

Introduction

CuSn6P is used for thermal spray copper tin bronzes (Cu-Sn 6-8 %) and some brasses (Cu-Zn). It is also suitable for joining copper-tin bronzes, brasses to cast iron and carbon steel. This is recommended for use in repairing bronzes (Cu-Sn), surfacing on brasses, steels and cast iron.

Chemical & Physical Properties

AWS Code	Cu	P	Sn	Solids Temperature	Density	Elongation	Liquids Temperature	Tensile Strength	Brinell Hardness
Cu5180	Bal.	0.2	5.5	950°C	8.86kg/dm ³	20%	1050°C	260N/mm ²	80HB

Applications

- Useful for joining the composition similar as base metals
- Construction of equipment for the chemical industry and petrochemical industry
- Naval constructions and installations for sea water desalination, repair works

Standard Dimensions

Wire	Diameter (mm)	Tolerance (mm)
	1.6, 2.0, 3.17	+ 0 / - 0.05

Other sizes (diameter and wire weight) can be manufactured accordingly to the requirements of customers.

Packaging

Spool	15kgs / spool (D300 spool)
Coil	20 - 400kgs / coil