

## Introduction

CuZn40Ni10 provides high mechanical properties making. It is suitable for build-up and overlay applications such as gear teeth, bearings, and valve seats. Adding silicon helps prevent fuming (Zinc vaporization). The welding deposits have very high tensile strength, good ductility and excellent corrosion resistance. It is used to braze weld steel and cast iron, the deposit provides a good color match with these metals.

## Chemical & Physical Properties

AWS Code	Cu	Si	Ni	Zn	Solids Temperature	Density	Elongation	Liquids Temperature	Tensile Strength	Brinell Hardness
Cu7730	49	0.15	10	Bal.	890°C	8.4kg/dm <sup>3</sup>	25%	935°C	385N/mm <sup>2</sup>	120HB

## Applications

- Gear teeth, bearings and valve seats

## 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