

Introduction

CuMn13Al7 is used in applications that is required resistance to cavitation, erosion, and corrosion. It is also used to join or repair the chemical composition that is similar as high-strength bronzes and used for high-strength repairs of cast iron. It shows excellent performance when it is used for the overlay welding of iron-casting, low-alloy steel and also suited for welding marine propellers.

Standard: BS EN14640

Chemical & Physical Properties

Class	Alloy	Cu	Al	Fe	Mn	Ni	Other	Solids Temperature	Density	Elongation	Liquids Temperature	Tensile Strength	Brinell Hardness
Cu6338	CuMn 13Al7	Bal.	8	2.5	12.5	2.5	<0.5	945°C	7.4kg/dm ³	10%	985°C	800N/mm ²	180HB

Applications

- Welding

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