

Meta-Braze™ 045Si

Low Melting Silver Copper Zinc Braze Alloy

Meta-braze™ 045Si is suitable for brazing steel, copper, nickel and their alloys. It is a low temperature cadmium free alloy with an addition of silicon to enhance the flow properties giving very smooth aesthetically pleasing fillets. It has a relatively low and short melting range and is free flowing when molten. Applications include refrigeration and air conditioning. A suitable flux is required for brazing in air.

Standard	ISO 3677 B-Ag45CuZnSn(Si)	Reference Standard NA
Melting Range	640°C - 680°C	Brazing Temperature: 680°C
Chemical Composition	Silver 45% Copper Balance Zinc 25.5% Silicon 0.15% Tin 2.5% Impurities as per ISO 17672 Table 1	
Conditions for Use	Recommended Processes: Flame or Induction. Recommended Gap Size: - 0.1 – 0.15mm (0.004 – 0.006”)	
Physical Properties	Density – 9.2g/cm ³ Elongation – 10%	
Forms of Supply	Wire – Foil – Preforms	

