

Joining characteristics of selected copper

UNS Number	Solder	Braze	OAW	CAW	GMAW	GTAW/SMAW
C80100	A	A	D	C	C	D
C81100	A	A	D	C	C	D
C81300	A	B	D	C	C	C
C81400	A	B	D	C	C	C
C81500	B	B	D	C	C	D
C82000	B	B	D	C	C	C
C82200	B	B	D	C	C	C
C82400	C	C	D	C	C	C
C82500	C	C	D	C	C	C
C82600	C	C	D	C	C	C
C82700	C	C	D	C	C	C
C82800	C	C	D	C	C	C
C83300	A	B	D	D	C	D
C83400	A	A	C	D	C	D
C83600	A	B	D	D	D	C
C83800	A	B	D	D	D	C
C84200	A	B	D	D	D	C
C84400	A	B	D	D	D	C
C84500	A	B	D	D	D	C
C84800	A	B	D	D	D	C
C85200	A	C	C	D	D	D
C85400	A	A	C	D	D	D
C85500	B	C	D	D	D	D
C85700	B	C	D	D	D	D
C85800	B	B	D	D	D	D
C86100	D	D	B	D	C	B
C86200	D	D	B	D	C	B
C86300	D	D	D	D	D	B
C86400	C	C	D	D	D	D
C86500	C	C	D	D	D	D
C86700	C	C	D	D	D	D
C86800	C	C	D	D	D	D
C87400	D	C	C	D	C	D
C87500	D	C	C	D	C	D
C87600	D	C	B	D	C	C
C87800	D	C	D	D	D	D
C90200	A	B	C	C	C	C
C90300	A	B	C	C	C	C
C90500	A	B	C	C	C	C
C90700	A	B	C	C	C	C
C90900	A	B	C	C	C	C
C91000	A	B	C	C	C	C
C91100	A	B	C	C	C	C
C91300	A	B	C	C	C	C

A = Excellent B = Good C = Fair D = Not Recommended

OAW = Oxyacetylene Welding

CAW = Carbon Arc Welding

GTAW/GMAW = Gas Tungsten Arc/Gas Metal Arc Welding (TIG/MIG)

SMAW = Shielded Metal Arc Welding (Stick)