

Brazing Alloy

Brazing is a process of join the same or different alloy together. We recommend different brazing alloy and join method in order to make the join to reach significant level of hardness, ductility, tensile strength, electrical conductivity. We would study each case and provide the best solution to customer.

Silver Brazing Alloy

Form: Coil, Rod, Ribbon, Powder and Paste

Category	AWS	Code	Ag	Cu	Zn	Cd	Sn	P	Working Temp. °C
Silver Brazing Alloy		ACD20	20	40	25	15			765
	BAG-27	ACD25	25	35	27	13			745
	BAG-2a	ACD30	30	27	23	20			710
	BAG-2	ACD35	35	26	21	18			700
		ACD40	40	17	17	26			650
	BAG-1	ACD45	45	15	16	24			620
	BAG-1a	ACD50	50	15	17	18			635
Silver Brazing Alloy (Cadmium Free)	--	AF20	20	45	35				815
	BAG-37	AF25	25	40	33		2		770
	BAG-20	AF30	30	38	32				765
	BAG-35	AF35	35	32	33				750
	BAG-28	AF40	40	30	28		2		710
	BAG-36	AF45	45	27	25		3		685
	BAG-6	AF50	50	34	16				775
	BAG-7	AF56	56	22	17		5		650
	---	AF60	60	23	17				730
	BAG-9	AF65	65	20	15				720
	BAG-10	AF70	70	20	10				735
	BAG-8	AF72	72	28					780
	BAG-19	AF92	93	7.5					890
Silver Brazing Alloy (Low Silver content)	BCuP-6	A2	2	91				7	705
	BCuP-3	A5	5	89				6	720
	BCuP-5	A15	15	80				5	705

Sterling Silver Product Brazing	High Silver brazing Sheet	SSH
	Low Silver brazing Sheet	SSL

Nickel Brazing Alloy

Form: Paste

Nickel Brazing Alloy	Code	Ni	Cr	P				Working Temp.°C
	2Ni-P	75	15	10				990
	2Ni-T	75	15	10				990

Palladium Brazing Alloy

From: Paste

Palladium Brazing Alloy	Code	Pd	Ag	Cu				Working Temp.°C
	1Pd-P	*	*	*				990

Soldering

Soldering is a process of join the same or different alloy together below 450 Celsius Degree. Material's ability of join is lower than brazing. We have wide selection of Soldering for Tin Alloy or Zinc Alloy soldering.

Flux

Flux is applied to the brazing process in order to prevent oxidation and improve the brazing process.

Form: Powder and Paste

Code	Working Temperature	Application
EasyFlow	550-800	Silver and Copper Brazing
Y	550-750	Silver and Copper Brazing
4ZnPaste	199-310	Zinc Soldering
CIG		Tin Soldering

Guard

Guard product protects and prevents any brazing alloy stick on the metal during brazing process. Its working temperature is up to 1500 Celsius degree.

Form: Paste and Sticker

		
RP-1	RP-2	RT-1