

GUIDE DES BRASURES PAR FAMILLE

Classement des alliages par famille

ARGENT/SILVER

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
1020	Ag/99,99	961	E	961	10,50
1015	Ag/Au/900/100	980		978	11,00
1014	Ag/Au/650/350	1000		980	12,49
1012	Ag/Au/600/400	1005		990	14,84
1010	Ag/Au/500/500	1020		1000	13,60
1011	Ag/Au/Cu/Cd/Zn/310/290/200/190/10	760		693	11,08
1244	Ag/Cd/950/50	942		935	10,39
1250	Ag/Cd/900/100	920		910	10,28
1245	Ag/Cd/880/120	914		900	10,24
1330	Ag/Cd/Cu/Zn/420/250/170/160	617		608	9,06
1240	Ag/Cd/Cu/Zn/Ni/500/160/155/155/30	690		630	9,21
1300	Ag/Cd/Zn/Cu/500/190/160/150	630		620	9,19
1290	Ag/Cd/Zn/Cu/500/180/165/155	635		625	9,19
1315	Ag/Cd/Zn/Cu/450/240/160/150	620		605	9,11
1046	Ag/Cu/950/50	910		862	10,40
1030	Ag/Cu/925/75	890		810	10,37
1045	Ag/Cu/920/80	930		880	10,36
1125	Ag/Cu/900/100	870		780	10,32
1126	Ag/Cu/800/200	815		779	10,14
1127	Ag/Cu/750/250	779		795	10,07
1130	Ag/Cu/720/280	780	E	780	10,02
1260	Ag/Cu/Cd/Zn/340/250/210/200	670		612	8,88
1211	Ag/Cu/In/615/240/145	707		624	9,51
1210	Ag/Cu/In/610/240/150	705		630	9,49
1208	Ag/Cu/In/600/270/130	710		600	9,52
1120	Ag/Cu/Ni/715/280/5	785		775	10,01
1105	Ag/Cu/Pd/685/268/47	824		780	10,09
1100	Ag/Cu/Pd/684/266/50	810		807	10,10
1090	Ag/Cu/Pd/680/270/50	810		804	10,10
1340	Ag/Cu/Pd/650/200/150 (Palcucil)	900		850	10,34
1070	Ag/Cu/Pd/585/315/100	852		824	10,08
1195	Ag/Cu/Sn/680/270/50	760		743	9,83
1190	Ag/Cu/Sn/600/300/100	720		600	9,58
1110	Ag/Cu/Sn/Ni/630/285/60/25	800		690	9,72
1115	Ag/Cu/Zn/600/300/100	750		674	9,56
1180	Ag/Cu/Zn/600/260/140	730		695	9,45
1230	Ag/Cu/Zn/450/250/300	700		680	8,86
1220	Ag/Cu/Zn/Cd/350/260/210/180	700		605	8,88
1255	Ag/Cu/Zn/Cd/300/280/210/210	685		607	8,81

1205	Ag/Cu/Zn/Cd/300/270/230/200	710		605	8,77
1060	Ag/Cu/Zn/Ni/540/400/50/10	857		718	9,70
1280	Ag/Cu/Zn/Sn/560/220/170/50	652		618	9,21
1200	Ag/Cu/Zn/Sn/400/300/280/20	710		650	8,80
1050	Ag/Ga/Pd/820/90/90	880		845	9,92
1005	Ag/Pd/800/200	1150		1070	10,77
1000	Ag/Pd/700/300	1230		1160	10,91
1009	Ag/Pd/Mn/750/200/50	1121		1071	10,55
1310	Ag/Zn/Cd/Cu/400/210/200/190	630		595	8,94
1270	Ag/Zn/Cu/Sn/550/220/210/20	660		630	9,14

ALUMINIUM/ALUMINUM

reference	Alliage/ Alloy	Température in °C			density
		liquidus		solidus	
7000	Aluminium/99,99	660	E	660	2,70

BISMUTH

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
3000	Bismuth/99,99	271,3	E	271,3	9,80
3010	Bi/Cd/600/400	144	E	144	9,31
3100	Bi/In/670/330	109	E	109	8,81
3180	Bi/In/Cd/485/415/100	77,5	E	77,5	8,49
3210	Bi/In/Pb/Sn/490/210/180/120	58	E	58	9,01
3170	Bi/In/Sn/570/260/170	79	E	79	8,54
3165	Bi/In/Sn/540,2/296,8/163	81	E	81	8,47
3050	Bi/Pb/580/420	126		124	10,39
3060	Bi/Pb 55,5/44,5	124	E	124	10,46
3061	Bi/Pb/550/450	124	E	124	10,45
3163	Bi/Pb/Cd/516/402/82	92	E	92	10,25
3070	Bi/Pb/In/550/440/10	121		120	10,39
3220	Bi/Pb/In/Sn/Cd/447/226/191/83/53	47	E	47	9,16
3080	Bi/Pb/Sn/550/440/10	120		117	10,38
3260	Bi/Pb/Sn/550/390/60	102		108	10,13
3150	Bi/Pb/Sn/525/320/155	95	E	95	9,70
3140	Bi/Pb/Sn/520/300/180	96	E	96	9,60
3130	Bi/Pb/Sn/500/280/220	100	E	100	9,44
3085	Bi/Pb/Sn/500/250/250	115		95	9,32
3110	Bi/Pb/Sn/450/350/200	107		96	9,60
3030	Bi/Pb/Sn/Ag/360/320/310/10	136		95	9,22
3200	Bi/Pb/Sn/Cd/500/267/133/100	70	E	70	9,58
3090	Bi/Pb/Sn/Cd/400/334/133/133	113		72	9,63
3160	Bi/Pb/Sn/In/520/317/153/10	94		90	9,70
3005	Bi/Sn/950/50	251		134	9,64
3020	Bi/Sn/580/420	138	E	138	8,56
3015	Bi/Sn/570/430	139	E	139	8,54
3040	Bi/Sn/Pb/570/420/10	135	E	135	8,57
3120	Bi/Sn/Pb/460/340/200	100	E	100	8,99

CADMIUM

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
7510	Cadmium/99,99	321	E	321	8,55
7500	Cd/Ag/950/50	395		340	8,73
7505	Cd/Au/870/130	309	E	309	9,32
7504	Cd/Au/580/420	500	E	500	11,26
7520	Cd/Zn/826/174	266	E	266	8,35

CUIVRE/COOPER

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
8010	Cuivre/99,99	1083	E	1083	8,96
8013	Cu/Au/900/100	1078		1063	9,47
8014	Cu/Au/800/200	1080		1060	10,04
8021	Cu/Au/650/350	1020		1000	11,03
8022	Cu/Au/625/375	1018		1000	11,21
8023	Cu/Au/550/450	971		954	11,81
8024	Cu/Au/Ni/620/350/30	1030		975	11,03
8015	Cu/Sn/910/90	999		843	8,78
8000	Cu/Sn/Ag/850/80/70	985		665	8,87
8020	Cu/Zn/Ag/500/340/160	830		790	8,42
8030	Cu/Zn/Ag/335/335/330	740		700	8,64
8025	Cu/Zn/Ag/Cd/398/298/200/104	766		603	8,53
8040	Cu/Zn/Ag/Cd/350/270/230/150	735		610	8,61
8050	Cu/Zn/Ag/Sn/360/320/300/20	755		665	8,59

ETAIN/TIN

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
6090	Etain/99,99	232	E	232	7,28
6100	Sn/Ag/975/25	226		221	7,34
6105	Sn/Ag/970/30	221		223	7,36
6120	Sn/Ag/965/35	221	E	221	7,36
6055	Sn/Ag/960/40	222		221	7,38
6107	Sn/Ag/955/45	245		222	7,39
6110	Sn/Ag/950/50	221		240	7,40
6010	Sn/Ag/900/100	295		221	7,51
6102	Sn/Ag/Cu/965/30/5	217		215	7,36
6080	Sn/Ag/Sb/650/250/100	233	E	233	7,80
6270	Sn/Bi/600/400	170		138	8,12
6250	Sn/Bi/Pb/600/255/145	180		96	8,25
6265	Sn/Cd/678/322	177	E	177	7,68
6305	Sn/Cd/Pb/500/250/250	160		145	8,36
6000	Sn/Cu/970/30	300		227	7,32
6005	Sn/Cu/930/70	302		221	7,45
6350	Sn/Ge/990/10	345		232	
6320	Sn/In/580/420	145		118	7,30

6340	Sn/In/520/480	131		118	7,30
6185	Sn/Pb/965/35	222		183	7,38
6140	Sn/Pb/900/100	213		183	7,55
6160	Sn/Pb/850/150	205		183	7,70
6190	Sn/Pb/800/200	199		183	7,85
6200	Sn/Pb/750/250	192		183	8,00
6220	Sn/Pb/700/300	186		183	8,16
6245	Sn/Pb/670/330	251		183	9,58
6230	Sn/Pb/650/350	184		183	8,33
6240	Sn/Pb/630/370	183	E	183	8,40
6215	Sn/Pb/619/381	183	E	183	8,44
6210	Sn/Pb/600/400	188		183	8,50
6170	Sn/Pb/550/450	200		183	8,68
6260	Sn/Pb/Ag/625/361/14	179	E	179	8,41
6261	Sn/Pb/Ag/625/360/15	179	E	179	8,46
6256	Sn/Pb/Ag/620/365/15	179	E	179	8,42
6255	Sn/Pb/Ag/620/360/20	179	E	179	8,42
6253	Sn/Pb/Ag/620/350/30	177		189	8,42
6030	Sn/Pb/Ag/615/355/30	248		179	8,43
6254	Sn/Pb/Ag 600/370/30	179		232	8,49
6020	Sn/Pb/Ag/500/470/30	260		179	8,86
6280	Sn/Pb/Bi/500/400/100	167		120	8,77
6290	Sn/Pb/Bi/480/360/160	162		140	8,78
6291	Sn/Pb/Bi/430/430/140	163		144	8,99
6292	Sn/Pb/Bi/340/340/320	133		96	9,15
6310	Sn/Pb/Cd/512/306/182	145	E	145	8,45
6315	Sn/Pb/Cd/500/320/180	146	E	146	8,50
6330	Sn/Pb/Cd/Bi/450/320/180/50	139		132	8,63
6300	Sn/Pb/In/700/180/120	162	E	162	7,79
6301	Sn/Pb/In/375/375/250	181		134	8,42
6135	Sn/Pb/Sb/500/495/5	216		183	8,85
6075	Sn/Sb/990/10	235	E	235	7,27
6060	Sn/Sb/980/20	240		235	7,28
6070	Sn/Sb/970/30	238		232	7,26
6040	Sn/Sb/950/50	240		232	7,25
6180	Sn/Zn/910/90	199	E	199	7,27

GALLIUM

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
8500	Ga/99,99	29,78	E	29,78	5,90
8530	Ga/In/950/50	25		15,7	6,15
8510	Ga/In/755/245	15,7	E	15,7	6,35
8520	Ga/In/Sn/625/215/160	10,7	E	10,7	6,50

INDIUM

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
4060	In/99,99	156	E	156	7,31
4110	In/Ag/970/30	143	E	143	7,38
4040	In/Ag/950/50	162		159	7,42
4000	In/Ag/900/100	237		141	7,53
4090	In/Bi/950/50	72	E	72	7,99
4091	In/Bi/663/337	150		125	7,40
4092	In/Bi/600/400	125		117	8,14
4170	In/Bi/Cd/620/300/80	62	E	62	8,02
4175	In/Bi/Cd/617,2/307,8/75	61,5	E	61,5	8,03
4180	In/Bi/Sn/510/330/160	61	E	61	7,98
4150	In/Cd/740/260	123	E	123	7,62
4070	In/Cu/990/10	153	E	153	7,32
4080	In/Ga/993/7	150	E	150	7,30
4081	In/Pb/810/190	160	E	160	7,84
4050	In/Pb/750/250	170		162	8,02
4035	In/Pb/700/300	174		160	8,19
4033	In/Pb/600/400	185		174	8,52
4010	In/Pb/550/450	215		215	8,70
4030	In/Pb/520/480	205		177	8,81
4020	In/Pb/500/500	209		180	8,89
4100	In/Pb/Ag/800/150/50	149	E	149	7,85
4160	In/Sn/520/480	118	E	118	7,30
4161	In/Sn/500/500	125		117	7,30
4165	In/Sn/Cd/440/420/140	93		93	7,46
4120	In/Sn/Pb/400/400/200	130		121	7,86
4140	In/Sn/Pb/Cd/700/150/96/54	125		125	7,63

IRIDIUM

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
14000	Iridium 99,99	2454	E	2454	22,50

NICKEL

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
13400	Ni/99,99	1453	E	1453	8,90
13000	Ni/Be/980/20	1453	E	1453	8,90

OR/GOLD

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
2000	Au/99,99	1063	E	1063	19,30
2150	Au/Ag/830/170	1050		1040	16,89
2160	Au/Ag/800/200	1048		1038	16,53
2170	Au/Ag/750/250	1040		1030	15,96
2285	Au/Ag/Cu/625/300/75 (Au 232)	920		890	14,42
2320	Au/Ag/Cu/530/235/235	827		804	13,15

2330	Au/Ag/Cu/Zn/480/290/170/60	788		732	12,52
2350	Au/Ag/Cu/Zn/420/320/160/100	749		724	11,89
2130	Au/Cu/800/200	1080		1000	10,04
2260	Au/Cu/500/500	975		950	12,24
2380	Au/Cd/720/280	612	E	612	14,35
2390	Au/Cd/530/470	540	E	540	12,23
2300	Au/Cu/Ag/720/200/80	895		885	15,16
2290	Au/Cu/In/600/370/30	900		860	13,07
2240	Au/Cu/In/500/400/100	1004		971	12,23
2190	Au/Ga/990/10	1030		1025	18,87
2420	Au/Ge/880/120	356	E	356	14,67
2280	Au/Ni/820/180	950		950	15,95
2180	Au/Ni/Pd/700/220/80	1037		1005	14,78
2120	Au/Ni/Pd/500/250/250	1121		1102	13,37
2115	Au/Pd/965/35	1150		1125	18,90
2113	Au/Pd/940/60	1200		1150	18,62
2110	Au/Pd/920/80	1240		1190	18,41
2100	Au/Pd/910/90	1250		1200	18,30
2090	Au/Pd/870/130	1306		1260	17,89
2080	Au/Pd/820/180	1350		1325	17,40
2070	Au/Pd/750/250	1400		1375	16,76
2050	Au/Pd/650/350	1440		1421	15,92
2040	Au/Pd/600/400	1463		1450	15,54
2020	Au/Pt/800/200	1650		1410	19,69
2060	Au/Pt/750/250	1410		1210	19,80
2030	Au/Pt/550/450	1590		1280	20,21
2405	Au/Si/980/20	370	E	370	16,83
2410	Au/Si/964/36	370	E	370	15,40
2440	Au/Sn/800/200	280	E	280	14,52
2360	Au/Zn/850/150	642	E	642	15,37
2370	Au/Zn/690/310	626	E	626	12,62

PALLADIUM

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
1500	Pd/99,99	1554	E	1554	12,00
1550	Pd/Ag/Cu/Au/Pt/Zn 350/300/140/100/100/10 (Paliney)	800		780	11,83

PLATINE/PLATINUM

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
9010	Pt/99,99	1769	E	1769	21,40
9000	Pt/Au/800/200	1650		1410	20,98
9040	Pt/Pd / Au 750/200/50	1695		1645	18,45
9060	Pt/ Ir 900/100				21,50

PLOMB/LEAD

5350	Plomb/99,99	327	E	327	11,35
5010	Pb/Ag/975/25	303	E	303	11,33
5345	Pb/Ag/950/50	364		305	11,30

5004	Pb/Ag/Sn/975/15/10	309	E	309	11,28
5007	Pb/Ag/Sn/955/25/20	304		299	11,20
5020	Pb/Ag/Sn/900/50/50	292	E	292	11,00
5270	Pb/Bi/545,5/454,5	160		122	10,59
5300	Pb/Bi/Sn/430/285/285	137		96	9,43
5290	Pb/Bi/Sn/384/308/308	139		96	9,30
5320	Pb/Bi/Sn/380/370/250	127		93	9,48
5330	Pb/Bi/Sn/Cd/460/307/182/51	123		70	9,74
5170	Pb/Cd/930/70	248	E	248	5,88
5002	Pb/In/950/50	314		292	11,06
5005	Pb/In/920/80	305		300	10,86
5006	Pb/In/900/100	294		300	10,75
5050	Pb/In/810/190	280		270	10,27
5090	Pb/In/750/250	264		250	9,97
5200	Pb/In/600/400	225		195	9,29
5013	Pb/In/Ag/925/50/25	300	E	300	11,02
5003	Pb/In/Ag/900/50/50	310		290	11,00
5070	Pb/In/Sb/790/200/10	270		184	10,16
5017	Pb/Sb/999/1	327	E	327	11,33
5015	Pb/Sb/950/50	295		252	10,96
5016	Pb/Sb/910/90	252		265	10,50
5100	Pb/Sb/900/100	260		252	10,60
5000	Pb/Sb/Ga/980/12/8	315	E	315	11,20
5001	Pb/Sn/950/50	314		310	11,06
5011	Pb/Sn/900/100	302		275	10,75
5030	Pb/Sn/850/150	288		183	10,48
5060	Pb/Sn/800/200	280		183	10,21
5080	Pb/Sn/750/250	268		183	9,96
5110	Pb/Sn/700/300	257		183	9,72
5140	Pb/Sn/650/350	247		183	9,50
5160	Pb/Sn/600/400	238		183	9,28
5190	Pb/Sn/550/450	227		183	9,07
5210	Pb/Sn/520/480	218		183	8,95
5211	Pb/Sn/500/500	212		183	8,87
5171	Pb/Sn/Ag/935/50/15	298		277	11,02
5125	Pb/Sn/Ag/925/50/25	298		277	11,01
5120	Pb/Sn/Ag/700/270/30	253		179	9,84
5170	Pb/Sn/Ag/600/370/30	232		179	9,39
5220	Pb/Sn/Ag/550/440/10	210		177	9,11
5230	Pb/Sn/Bi/555/405/40	197		170	9,21
5250	Pb/Sn/Bi/500/300/200	173		130	9,47
5280	Pb/Sn/Bi/420/370/210	152		120	9,16
5040	Pb/Sn/Sb/920/50/30	285		239	10,82
5130	Pb/Sn/Sb/684/300/16	250		185	9,63

5150	Pb/Sn/Sb/632/350/18	243		185	9,39
5180	Pb/Sn/Sb/580/400/20	231		185	9,17
5340	Pb/Zn/980/20	418		318	11,21

TITANE/TITANIUM

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
10000	Ti/99,99	1660	E	1660	4,50

ZINC

reference	Alliage/Alloy	Temperature in °C			density
		liquidus		solidus	
9500	Zinc/99,99	419	E	419	4,50
9510	Zn/Al/950/50	382	E	382	6,60
9540	Zn/Cu/Ag/335/335/330	740		700	8,64

Pour tous ces métaux ou alliages, livraison de préformes, rubans et fils à vos dimensions : (voir listes de nos outillages disponibles. Mais aussi possibilité de nouvelle fabrications à vos mesures).