

## Alloy Temperature Chart

Commonly specified solder alloys are shown in the table. The selection of alloy is determined by application, melting temperature and physical properties. The alloys listed may be available in forms other than those indicated. Other solder alloys are also available.

### Solder Alloys and Available Forms

ALLOY	Melting °F	Range °C	AVAILABLE FORMS			
			WIRE	BAR	SOLDERPASTE	PREFORMS
<b>TIN-LEAD</b>						
Sn63Pb37	361	183	X	X	X	X
Sn60Pb40	361 - 374	183 - 190	X	X		X
Sn55Pb45	361 - 397	183 - 203	X	X		X
Sn50Pb50	361 - 420	183 - 214	X	X		X
Sn45Pb55	361 - 440	183 - 225	X	X		X
Sn40Pb60	361 - 460	183 - 238	X	X		X
Sn35Pb65	361 - 477	183 - 247	X	X		X
Sn30Pb70	361 - 496	183 - 258	X	X		X
No. 123	366 - 503	186 - 262	X	X		
Sn25Pb75	361 - 514	183 - 268	X	X		X
Sn20Pb80	361 - 536	183 - 280	X	X		X
Sn10Pb90	514 - 576	268 - 302	X	X	X	X
Sn05Pb95	574 - 597	301 - 314	X	X		X
<b>LEAD-FREE</b>						
Sn96.5Ag3.5	430	221	X	X	X	X
Sn96Ag04	430 - 444	221 - 229	X	X		X
Sn95Ag05	430 - 473	221 - 245	X	X		X
100%Sn	450	232	X	X		X
Sn95Sb05	450 - 464	232 - 240	X	X	X	X
Sn99.3Cu0.7	440	227	X	X		X
Sn96.5Ag3.0Cu0.5	422 - 428	217 - 220	X	X	X	X
Sn95.5Ag3.8Cu0.7	422 - 430	217 - 221	X	X	X	X
SAF-A-LLOY	426 - 454	219 - 235	X	X		X
<b>OTHER ALLOYS</b>						
Sn62Pb36Ag02	354 - 372	179 - 189	X	X	X	X
Sn60Pb36Ag04	354 - 475	179 - 246	X	X		X
Sn10Pb88Ag02	514 - 570	268 - 299	X	X	X	X
Sn05Pb93.5Ag1.5	565 - 574	296 - 301	X	X		X
Sn05Pb92.5Ag2.5	536	280	X	X		X
Sn43Pb43Bi14	291 - 325	144 - 163	X	X	X	X

Where applicable, Kester solders meet and exceed the specifications of ASTM-B32 and ANSI/J-STD-006, formerly QQ-S-571.

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