

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 Range °C	Melting Range °F	Solder Paste	Wire	Preforms	Bar
HIGH-TEMP						
Pb100	328	622			X	
Sn1Pb97.5Ag1.5	309	588		X	X	
Sn35Pb65	247	477		X	X	
Sn60Pb36Ag4	246	475			X	
Sn61.5Pb35.5Ag3	205	401			X	
Sn5Pb93.5Ag1.5	296-301	565-574		X	X	X
Sn5Pb95	301-314	574-597		X	X	X
Sn10Pb88Ag2	268-299	514-570	X	X	X	X
Sn30Pb70	183-258	361-496			X	X
MID-RANGE						
Sn40Pb60	183-238	361-460		X	X	X
Sn50Pb50	183-216	361-420		X	X	X
Sn60Pb40	183-190	361-374		X	X	X
Sn63Pb37	183	361	X	X	X	X
Sn62Pb36Ag2	179	354	X	X	X	X
LOW-TEMP						
Sn43Pb43Bi14	144-163	291-324	X		X	
LEAD-FREE						
Sn100	232	450		X	X	X
Sn99.3Cu0.7	227	441		X	X	X
K100LD	227	440		X	X	X
Sn96.5Ag3.5	221	430		X	X	X
Sn95.5Ag3.8Cu0.7	217	423	X	X	X	
Sn95.5Ag4Cu0.5	217	423			X	
Sn96.5Ag3Cu0.5	217-218	423-424	X	X	X	X
Sn96.3Ag3.7	221-223	430-444		X	X	X
Sn95Sb5	232-240	450-464	X	X	X	X
SAF-A-LLOY*	220-234	428-454	X	X	X	X

*Sn97Ag0.2Sb0.8Cu2