

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.

Kester Solder Alloys						
Alloy	Melting Range °C	Melting Range °F	Paste	Wire	Preforms	Bar
HIGH-TEMP						
Pb100	327	621			X	
Sn1Pb97.5Ag1.5	309	588		X	X	X
Sn5Pb95	301-314	574-597				X
Sn5Pb93.5Ag1.5	296-301	565-574		X	X	X
Sn5Pb92.5Ag2.5	280	536		X	X	
Sn10Pb88Ag2	268-299	514-570	X	X	X	X
MID-RANGE						
Sn35Pb65	183-247	361-477		X	X	
Sn40Pb60	183-238	361-460		X		
Sn50Pb50	183-216	361-420		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			
Sn42Bi57Ag1	138	281	X			
LEAD-FREE						
Sn97Ag3	303	579				X
Sn95Sb5	232-240	450-464	X	X	X	X
Sn100	232	450		X	X	X
K100LD	227	441		X	X	X
Sn99.3Cu0.7	227	441		X	X	X
Sn95Ag5	221-245	430-473		X	X	X
Sn96.3Ag3.7	221-229	430-444		X	X	X
Sn96.5Ag3.5	221	430	X	X	X	X
Sn97Ag0.2Sb0.8Cu2	220-234	428-454		X	X	X
Sn99Ag0.3Cu0.7	217-228	423-442	X			
Sn96.5Ag3Cu0.5	217-218	423-424	X	X	X	X
Sn95.5Ag4Cu0.5	217	423			X	
Sn95.5Ag3.8Cu0.7	217	423	X	X	X	



For Reference Only

Alloy	Melting Range °C	Melting Range °F	Paste	Wire	Preforms	Bar
Sn10Pb90	268-302	514-576				
Sn97Cu3	227-300	441-572				
Sn61.5Pb35.5Ag3	205	401				
Sn25Pb75	183-268	361-514				
Sn30Pb70	183-258	361-496				
Sn55Pb45	183-203	361-397				
Sn60Pb38Ag2	183-191	361-376				
Sn60Pb36Ag4	179-246	354-475				