

9. Solders

Blocks/Discs

9.1 Tin/Lead Solders																Size (mm)	
	Sn	Sb	Bi	Cu	As	Ag	Fe	Zn	Cd	Ni	Au	In	Te	Al	Pb	Ø	H
	8.81	0.04	0.03	0.015	0.006	0.005	0.003	0.008	0.003	0.009	...	...	...	...	rem	40 x 15	c
	10.38	0.51	0.15	0.05	0.04	0.050	0.003	0.030	0.007	0.003	...	...	...	...	rem	40 x 15	
	11.97	0.26	0.23	0.12	0.02	0.030	0.002	0.003	0.011	(0.02)	...	...	...	...	rem	40 x 15	
	10.14	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	...	...	...	...	rem	40 x 15	c
	9.5	0.015	0.011	0.001	0.0009	0.002	(0.0002)	(0.0002)	0.0007	(0.0002)	0.005	0.005	...	(0.0005)	rem	37 x 12	c
	10.0	0.11	0.012	0.002	0.003	0.004	(0.0003)	(0.0001)	0.002	(0.0003)	0.009	0.011	...	(0.002)	rem	37 x 12	
	11.3	0.20	0.040	0.003	0.004	0.010	(0.010)	(0.010)	0.009	(0.0004)	0.012	0.036	...	(0.004)	rem	37 x 12	
	8.6	0.20	0.0079	0.02	...	2.50	...	...	...	...	...	...	...	...	rem	37 x 12	c
	10.0	0.085	0.010	0.014	...	2.15	...	...	...	...	...	...	...	...	rem	37 x 12	
	10.7	0.048	0.032	0.0045	...	1.10	...	...	...	...	...	...	...	...	rem	37 x 12	
	29.3	0.047	0.057	0.19	0.006	0.007	(0.08)	0.0013	0.0024	0.0023	...	...	...	...	rem	40 x 15	c
	30.2	0.60	0.15	0.076	0.028	0.044	0.04	0.031	0.0070	0.007	...	...	...	...	rem	40 x 15	
CRM	30.88	0.269	0.294	0.102	0.0126	0.024	0.0016	(0.003)	0.0115	0.0269	0.0063	0.0085	...	...	rem	40 x 15	
	30.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	...	...	...	...	rem	40 x 15	c
	39.1	0.059	0.060	0.20	0.006	0.005	<0.005	0.008	0.001	0.002	...	...	...	...	rem	40 x 15	c
	40.4	0.60	0.15	0.050	0.026	0.050	(0.003)	0.028	0.0057	0.007	...	...	...	...	rem	40 x 15	
	41.8	0.25	0.25	0.094	0.018	0.022	0.01	0.002	0.010	0.016	...	...	...	...	rem	40 x 15	
	40.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	...	...	...	...	rem	40 x 15	c
	49.5	0.062	0.060	0.214	0.008	0.006	0.01	0.004	0.006	0.007	...	...	...	...	rem	40 x 15	c
	50.5	0.56	0.16	0.059	0.026	0.053	0.01	0.023	0.011	0.003	...	...	...	...	rem	40 x 15	
	51.4	0.26	0.25	0.10	0.015	0.020	0.009	0.008	0.002	0.016	...	...	...	...	rem	40 x 15	
CRM	54.6	0.098	0.097	1.58	0.044	0.045	(0.0034)	0.0105	0.0118	0.0114	0.029	0.052	...	...	rem	40 x 15	
	50.1	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	...	...	...	...	rem	40 x 15	c
CRM	59.8	0.013	0.007	0.023	0.008	0.010	(0.0026)	<0.001	0.012	<0.005	0.018	0.01	<0.001	...	rem	40 x 15	c
CRM	61.30	0.075	0.062	0.252	(0.001)	0.0065	0.012	0.0032	0.0057	0.0010	0.040	0.028	0.0008	...	rem	40 x 15	
CRM	62.6	0.614	0.162	0.052	0.080	0.057	0.030	0.007	0.0168	0.0073	0.090	0.019	0.009	...	rem	40 x 15	
CRM	64.27	0.253	0.255	0.133	0.0190	0.0222	0.0054	(0.002)	0.0015	0.0196	0.175	0.0087	(0.0002)	...	rem	40 x 15	
CRM	66.8	0.093	0.030	0.021	<0.002	0.030	<0.005	<0.001	0.021	<0.005	0.05	0.014	0.006	...	rem	40 x 15	
	62.6	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	...	...	...	rem	40 x 15	c
	60.0	0.0034	<0.0005	0.0006	<0.0005	0.0006	0.0031	0.006	0.0006	<0.0005	0.00096	<0.001	...	<0.0005	rem	37 x 12	c
	62.3	0.021	0.0057	0.0012	0.00084	0.0012	0.012	0.0095	0.0020	0.0006	0.0056	0.0010	...	<0.001	rem	37 x 12	
	63.4	0.050	0.0095	0.0045	0.0065	0.0050	0.0052	0.015	0.0049	0.0085	0.0090	0.0091	...	<0.001	rem	37 x 12	
	64.5	0.095	0.019	0.0090	0.010	0.0085	0.010	0.065	0.010	0.0042	0.019	0.040	...	<0.001	rem	37 x 12	
	63.1	0.11	0.040	0.047	0.009	0.015	(0.005)	<0.003	0.004	0.001	0.047	0.005	...	<0.002	rem	37 x 12	c
	62.6	0.31	0.098	0.091	0.028	0.031	(0.012)	<0.003	0.011	0.006	0.11	0.018	...	<0.002	rem	37 x 12	
	63.4	0.45	0.22	0.28	0.032	0.12	(0.021)	(0.015)	0.018	0.015	0.23	0.030	...	<0.002	rem	37 x 12	
CRM	56.06	0.52	0.17	0.11	0.051	...	...	0.00093	0.0020	...	...	...	...	...	rem	40 x 30	c
CRM	59.09	0.35	0.11	0.075	0.034	...	(0.011)	0.0019	0.0043	...	...	...	...	...	rem	each	
CRM	60.18	0.14	0.22	0.034	0.092	...	(0.023)	0.0064	0.0065	...	...	...	...	...	rem		
CRM	62.81	0.079	0.055	0.013	0.017	...	(0.0085)	0.0011	0.0080	...	...	...	...	...	rem	Set only	
CRM	64.96	0.011	0.014	0.0037	0.0035	...	...	0.0056	0.0097	...	...	...	...	...	rem		

9.3 Tin/Lead/Antimony Solders																Size (mm)	
	Sn	Sb	Bi	Cu	As	Ag	Fe	Zn	Cd	Ni	In	Te	Pb				
CRM	28.58	2.54	0.059	0.192	0.010	0.0144	(0.012)	(0.0004)	0.0014	0.0010	0.0094	0.0024	rem	40 x 15 c			
CRM	30.68	1.80	0.168	0.062	0.0178	0.049	0.0026	0.028	0.0061	0.042	0.0199	0.0102	rem	40 x 15			
CRM	33.0	0.96	0.28	0.008	0.018	0.021	0.0026	0.005	0.009	0.010	...	...	rem	40 x 15		
	38.5	2.70	0.06	0.23	0.011	0.007	(0.01)	0.002	0.002	0.003	...	...	rem	40 x 15 c		
	39.6	2.10	0.19	0.07	0.030	0.052	(0.02)	0.04	0.006	0.006	...	...	rem	40 x 15		
	41.4	1.70	0.26	0.12	0.024	0.021	(0.03)	0.022	0.011	0.014	...	...	rem	40 x 15		
	48.4	3.2	0.052	0.18	0.007	0.010	(0.01)	0.002	0.002	0.002	...	...	rem	40 x 15 c		
	49.6	2.8	0.15	0.049	0.027	0.055	0.01	0.042	0.006	0.014	...	...	rem	40 x 15		
	51.2	2.3	0.25	0.093	0.023	0.025	(0.02)	0.013	0.010	0.010	...	...	rem	40 x 15		

9.5 Fusible Alloys													Nominal Melting Temperature °C		Size (mm)	
	Sn	Sb	Bi	Cu	As	Ag	Fe	Zn	Cd	Al	In	Pb			Ø	H
	8.02	0.010	45.3	0.010	...	0.0043	...	0.0056	4.95	...	18.72	23.1	47		40 x 15	c
	12.05	0.022	48.8	0.0028	...	0.0056	...	0.031	0.0092	...	21.49	18.0	58		40 x 15	
	13.38	0.056	50.1	0.049	...	0.0021	...	0.043	9.50	...	0.0058	26.9	70		40 x 15	
	16.70	0.086	57.1	0.0030	...	0.0075	...	0.037	0.0089	...	26.08	0.082	79		40 x 15	
	0.220	0.312	55.7	0.041	...	0.0020	...	0.035	0.0065	...	0.010	43.7	124		40 x 15	
	42.9	0.10	56.5	0.106	0.005	0.033	0.002	0.011	0.011	(0.0009)	0.051	0.085	138		40 x 15	
	50.1	0.113	0.13	0.26	0.027	0.030	(0.0022)	0.007	18.1	<0.002	0.092	31.0	145		40 x 15	