



			APPROX.	APPROX.	APPROX.	APPROX.
			BURST	BURST	BURST	BURST
	FREEZING	FREEZING	TEMP	TEMP	TEMP	TEMP
WT %	POINT	POINT	COPPER	COPPER	PVC	PVC
PROPYLENE	DEGREE'S	DEGREE'S	PIPE	PIPE	PIPE	PIPE
GLYCOL	F	C	F	C	F	C
0	32	0	n/a	n/a	n/a	n/a
20	21	-6.11	-30	-34.44	10	-12.22
21	20.1	-6.61	-32	-35.56	9	-12.78
22	19.2	-7.11	-36	-37.78	8	-13.33
23	18.3	-7.61	-38	-38.89	5	-15
24	17.6	-8	-40	-40	2	-16.67
25	16.6	-8.56	-42	-41.11	0	-17.78
26	15.8	-9	-45	-42.78	-2	-18.89
27	14.8	-9.56	-48	-44.44	-5	-20.56
28	13.8	-10.11	-50	-45.56	-10	-23.33
29	12.6	-10.78	-52	-46.67	-15	-26.11
30	11.5	-11.39	-54	-47.78	-20	-28.89
31	10.4	-12	-57	-49.44	-23	-30.56
32	9.2	-12.67	-60	-51.11	-26	-32.22
33	7.9	-13.39	-62	-52.22	-30	-34.44
34	6.6	-14.11	-64	-53.33	-33	-36.11
35	5.3	-14.83	-65	-53.89	-36	-37.78
36	3.9	-15.61	-67	-55	-40	-40
37	2.4	-16.44	-68	-55.56	-43	-41.67
38	0.8	-17.33	-69	-56.11	-46	-43.33
39	-0.8	-18.22	-70	-56.67	-48	-44.44
40	-2.4	-19.11	-72	-57.78	-50	-45.56
41	-4.2	-20.11	-73	-58.33	-52	-46.67
42	-6	-21.11	-74	-58.89	-53	-47.22
43	-7.8	-22.11	-76	-60	-54	-47.78
44	-9.8	-23.22	-77	-60.56	-56	-48.89
45	-11.8	-24.33	-79	-61.67	-58	-50
46	-13.9	-25.5	-80	-62.22	-60	-51.11
47	-16.1	-26.72	-82	-63.33	-62	-52.22
48	-18.3	-27.94	-83	-63.89	-63	-52.78
49	-20.7	-29.28	-85	-65	-64	-53.33
50	-23.1	-30.61	-86	-65.56	-66	-54.44
51	-25.7	-32.06	-87	-66.11	-68	-55.56
52	-28.3	-33.5	-88	-66.67	-70	-56.67
53	-31	-35	-90	-67.78	-72	-57.78
54	-33.8	-36.56	-91	-68.33	-73	-58.33
55	-36.7	-38.17	-93	-69.44	-74	-58.89
56	-39.7	-39.83	-95	-70.56	-76	-60
57	-42.8	-41.56	-96	-71.11	-77	-60.56
58	-46	-43.33	-97	-71.67	-78	-61.11
59	-49.3	-45.17	-99	-72.78	-79	-61.67
60	-52.7	-47.06	-100	-73.33	-80	-62.22
65	-56.2	-49	c		d	
70	-59.9	-51.06	c		d	
75	b		c		d	

NOTES:

BURST TEMPERATURE ARE APPROXIMATED

b= FREEZE POINT BELOW -60

c= BURST TEMPERATURE BELOW -100

d= BURST TEMPERATURE BELOW -80