

**Cryotech Deicing Technology
Kilfrost DF Plus (88% PG)**

**Refractive Index and Freezing Point Chart
for DF Plus 88**

<i>Refractive Index (20°C) = 1.424</i>							
DF88 Concentration (% Vol)	PG Concentration	RI (20°C)	BRIX (20°C)	Fluid Freezing Point (°F)	Fluid Freezing Point (°C)	LOUT (°F)	LOUT (°C)
18.2	16.0	1.352	12.5	21.2	-6.0	39.2	4.0
19.1	16.8	1.353	13.08	21.0	-6.1	39.0	3.9
20	17.6	1.354	13.66	20.3	-6.5	38.3	3.5
20.9	18.4	1.354	14.24	19.6	-6.9	37.6	3.1
21.8	19.2	1.355	14.82	18.9	-7.3	36.9	2.7
22.7	20.0	1.356	15.4	18.1	-7.7	36.1	2.3
23.6	20.8	1.357	15.98	17.4	-8.1	35.4	1.9
24.5	21.6	1.358	16.56	16.7	-8.5	34.7	1.5
25.5	22.4	1.359	17.14	16.2	-8.8	34.2	1.2
26.4	23.2	1.360	17.72	15.4	-9.2	33.4	0.8
27.3	24.0	1.361	18.3	14.5	-9.8	32.5	0.3
28.2	24.8	1.362	18.87	14.0	-10.0	32.0	0.0
29.1	25.6	1.363	19.44	13.1	-10.5	31.1	-0.5
30	26.4	1.364	20.01	12.2	-11.0	30.2	-1.0
30.9	27.2	1.365	20.58	11.3	-11.5	29.3	-1.5
31.8	28.0	1.366	21.15	10.4	-12.0	28.4	-2.0
32.7	28.8	1.367	21.72	9.5	-12.5	27.5	-2.5
33.6	29.6	1.368	22.29	8.6	-13.0	26.6	-3.0
34.5	30.4	1.368	22.86	7.7	-13.5	25.7	-3.5
35.5	31.2	1.369	23.43	6.8	-14.0	24.8	-4.0
36.4	32.0	1.370	24	5.5	-14.8	23.5	-4.8
37.3	32.8	1.371	24.52	4.5	-15.3	22.5	-5.3
38.2	33.6	1.372	25.04	3.6	-15.8	21.6	-5.8
39.1	34.4	1.373	25.56	2.3	-16.5	20.3	-6.5
40	35.2	1.374	26.08	1.2	-17.1	19.2	-7.1
40.9	36.0	1.375	26.6	0.1	-17.7	18.1	-7.7
41.8	36.8	1.376	27.12	-1.1	-18.4	16.9	-8.4
42.7	37.6	1.377	27.64	-2.2	-19.0	15.8	-9.0
43.6	38.4	1.378	28.16	-3.5	-19.7	14.5	-9.7
44.5	39.2	1.379	28.68	-4.9	-20.5	13.1	-10.5
45.5	40.0	1.380	29.2	-6.7	-21.5	11.3	-11.5
46.4	40.8	1.381	29.7	-7.6	-22.0	10.4	-12.0
47.3	41.6	1.381	30.2	-8.9	-22.7	9.1	-12.7
48.2	42.4	1.382	30.7	-10.5	-23.6	7.5	-13.6
49.1	43.2	1.383	31.2	-11.9	-24.4	6.1	-14.4
50	44.0	1.384	31.7	-13.5	-25.3	4.5	-15.3
50.9	44.8	1.385	32.2	-15.2	-26.2	2.8	-16.2
51.8	45.6	1.386	32.7	-16.8	-27.1	1.2	-17.1
52.7	46.4	1.387	33.2	-18.6	-28.1	-0.6	-18.1
53.6	47.2	1.388	33.7	-20.4	-29.1	-2.4	-19.1
54.5	48.0	1.389	34.2	-22.0	-30.0	-4.0	-20.0
55.5	48.8	1.390	34.65	-24.2	-31.2	-6.2	-21.2
56.4	49.6	1.391	35.1	-26.0	-32.2	-8.0	-22.2
57.3	50.4	1.392	35.55	-28.3	-33.5	-10.3	-23.5
58.2	51.2	1.392	36	-30.5	-34.7	-12.5	-24.7
59	51.9	1.393	36.45	-33.2	-36.2	-15.2	-26.2
60	52.8	1.394	36.9	-35.5	-37.5	-17.5	-27.5
60.9	53.6	1.395	37.35	-37.7	-38.7	-19.7	-28.7
61.8	54.4	1.396	37.8	-41.3	-40.7	-23.3	-30.7
62.7	55.2	1.396	38.25	-43.6	-42.0	-25.6	-32.0
63.6	56.0	1.397	38.7	-49.0	-45.0		
64.5	56.8	1.398	39.1	-50.8	-46.0		
65.5	57.6	1.399	39.5	-55.3	-48.5		
66.4	58.4	1.400	39.9	-59.8	-51.0		
67.3	59.2	1.401	40.3	-65.2	-54.0		
68	59.8	1.401	40.7	-72.4	-58.0		