

FORANE® 134a										
Properties of saturated liquid and saturated vapor										
		Volume		Density		Enthalpy		Latent heat of vaporization	Entropy	
T °C	P (Abs) bar	Liquid v' dm ³ /kg	Vapor v'' m ³ /kg	Liquid ρ' kg/m ³	Vapor ρ'' kg/m ³	Liquid h' kJ/kg	Vapor h'' kJ/kg	Lv kJ/kg	Liquid s' kJ/(kg.K)	Vapor s'' kJ/(kg.K)
-100	0.006	0.632	25.20	1583.1	0.040	73.9	336.1	262.2	0.427	1.941
-95	0.009	0.637	15.42	1568.8	0.065	80.2	339.2	259.0	0.463	1.917
-90	0.015	0.643	9.754	1554.7	0.103	86.4	342.2	255.9	0.497	1.894
-85	0.024	0.649	6.358	1540.6	0.157	92.6	345.3	252.7	0.531	1.874
-80	0.037	0.655	4.259	1526.5	0.235	98.8	348.5	249.7	0.563	1.856
-75	0.055	0.661	2.924	1512.5	0.342	105.0	351.6	246.6	0.595	1.839
-70	0.080	0.667	2.054	1498.6	0.487	111.2	354.7	243.6	0.626	1.825
-65	0.114	0.674	1.473	1484.6	0.679	117.4	357.9	240.5	0.656	1.811
-60	0.159	0.680	1.076	1470.6	0.929	123.6	361.0	237.5	0.685	1.799
-55	0.219	0.687	0.800	1456.6	1.249	129.8	364.2	234.4	0.714	1.789
-50	0.295	0.693	0.605	1442.5	1.654	136.0	367.3	231.3	0.742	1.779
-45	0.391	0.700	0.463	1428.4	2.158	142.3	370.5	228.2	0.770	1.770
-40	0.512	0.707	0.360	1414.2	2.777	148.5	373.6	225.0	0.797	1.762
-35	0.661	0.714	0.283	1399.8	3.532	154.9	376.7	221.8	0.824	1.755
-30	0.844	0.722	0.225	1385.3	4.440	161.2	379.7	218.5	0.850	1.749
-26.1	1.012	0.728	0.190	1373.9	5.270	166.2	382.1	216.0	0.870	1.744
-25	1.064	0.730	0.181	1370.6	5.525	167.6	382.8	215.2	0.876	1.743
-20	1.327	0.738	0.147	1355.7	6.809	174.0	385.8	211.8	0.901	1.738
-15	1.638	0.746	0.120	1340.6	8.319	180.4	388.8	208.4	0.927	1.734
-10	2.004	0.755	0.099	1325.2	10.082	186.9	391.7	204.8	0.951	1.730
-5	2.431	0.764	0.082	1309.5	12.129	193.4	394.6	201.2	0.976	1.726
0	2.925	0.773	0.069	1293.4	14.492	200.0	397.4	197.4	1.000	1.723
5	3.492	0.783	0.058	1277.0	17.209	206.6	400.2	193.6	1.024	1.720
10	4.141	0.794	0.049	1260.1	20.320	213.3	403.0	189.6	1.048	1.717
15	4.878	0.805	0.042	1242.7	23.870	220.1	405.6	185.5	1.071	1.715
20	5.710	0.816	0.036	1224.8	27.912	227.0	408.2	181.3	1.095	1.713
25	6.647	0.829	0.031	1206.3	32.503	233.9	410.8	176.8	1.118	1.711
30	7.695	0.842	0.027	1187.2	37.712	241.0	413.2	172.2	1.141	1.709
35	8.863	0.857	0.023	1167.3	43.617	248.1	415.6	167.4	1.164	1.707
40	10.159	0.872	0.020	1146.5	50.313	255.4	417.8	162.4	1.187	1.706
45	11.594	0.889	0.017	1124.8	57.911	262.9	419.9	157.0	1.210	1.704
50	13.176	0.907	0.015	1101.9	66.551	270.5	421.9	151.3	1.234	1.702
55	14.914	0.928	0.013	1077.9	76.407	278.3	423.6	145.3	1.257	1.700
60	16.820	0.950	0.011	1052.3	87.701	286.4	425.2	138.8	1.281	1.698
65	18.904	0.976	0.010	1025.1	100.73	294.7	426.5	131.8	1.305	1.695
70	21.177	1.004	0.009	995.7	115.89	303.4	427.4	124.1	1.330	1.692
75	23.651	1.038	0.007	963.6	133.77	312.4	428.0	115.6	1.355	1.687
80	26.339	1.078	0.006	927.9	155.25	321.9	428.0	106.1	1.382	1.682
85	29.256	1.127	0.006	887.0	181.78	332.0	427.2	95.2	1.409	1.675
90	32.420	1.194	0.005	837.8	216.13	343.0	425.2	82.2	1.439	1.665
95	35.858	1.296	0.004	771.3	264.86	355.4	421.0	65.5	1.471	1.650

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