

FORANE® R-408A

Properties of saturated liquid and saturated vapor

P (Abs) bar	Liquid					Vapor					Latent heat of vaporization Lv kJ/kg
	Bubble T' °C	Volume v' dm ³ /Kg	Density p' kg/m ³	Enthalpy h' kJ/kg	Entropy s' kJ/(kg.K)	Dew T T'' °C	Volume v'' m ³ /Kg	Density p'' kg/m ³	Enthalpy h'' kJ/kg	Entropy s'' kJ/(kg.K)	
0.313	-66.8	0.735	1360.7	121.8	0.675	-66.0	0.624	1.602	359.90	1.827	238.1
0.413	-62	0.742	1347.1	126.9	0.700	-61.2	0.483	2.072	362.80	1.815	235.9
0.513	-58	0.749	1335.8	131.2	0.720	-57.3	0.395	2.534	365.20	1.805	234.0
0.613	-54.6	0.754	1326.1	134.9	0.737	-53.9	0.335	2.989	367.20	1.798	232.3
0.713	-51.7	0.759	1317.6	138.1	0.752	-51.0	0.291	3.44	368.90	1.792	230.8
0.813	-49	0.763	1309.9	141.1	0.765	-48.3	0.257	3.886	370.50	1.787	229.5
0.913	-46.6	0.768	1302.9	143.7	0.776	-45.9	0.231	4.329	372.00	1.782	228.2
1.013	-44.4	0.771	1296.4	146.2	0.787	-43.7	0.210	4.769	373.30	1.778	227.1
1.113	-42.4	0.775	1290.4	148.5	0.797	-41.7	0.192	5.207	374.50	1.775	226.0
1.213	-40.5	0.778	1284.8	150.6	0.806	-39.8	0.177	5.642	375.60	1.772	225.0
1.313	-38.7	0.782	1279.5	152.6	0.815	-38.1	0.165	6.075	376.60	1.769	224.0
1.413	-37	0.785	1274.5	154.6	0.823	-36.4	0.154	6.506	377.60	1.766	223.0
1.513	-35.4	0.788	1269.8	156.4	0.831	-34.8	0.144	6.936	378.50	1.764	222.1
1.613	-33.9	0.790	1265.2	158.1	0.838	-33.3	0.136	7.365	379.40	1.762	221.3
1.713	-32.5	0.793	1260.9	159.8	0.845	-31.9	0.128	7.792	380.20	1.760	220.5
1.813	-31.1	0.796	1256.7	161.4	0.851	-30.5	0.122	8.218	381.00	1.758	219.6
1.913	-29.8	0.798	1252.7	162.9	0.858	-29.2	0.116	8.643	381.80	1.756	218.9
2.013	-28.6	0.801	1248.9	164.4	0.864	-28.0	0.110	9.067	382.50	1.754	218.1
2.513	-22.9	0.812	1231.4	171.1	0.891	-22.4	0.089	11.178	385.70	1.747	214.6
3.013	-18.1	0.822	1216.1	177.0	0.914	-17.6	0.075	13.28	388.40	1.742	211.4
3.513	-13.9	0.832	1202.5	182.2	0.934	-13.3	0.065	15.37	390.70	1.737	208.5
4.013	-10.1	0.840	1190.1	187.0	0.952	-9.6	0.057	17.46	392.80	1.733	205.8
4.513	-6.6	0.848	1178.6	191.4	0.968	-6.1	0.051	19.56	394.60	1.730	203.2
5.013	-3.4	0.856	1167.9	195.5	0.984	-3.0	0.046	21.65	396.20	1.727	200.7
5.513	-0.5	0.864	1157.8	199.3	0.998	0.0	0.042	23.76	397.70	1.725	198.4
6.013	2.2	0.871	1148.2	203.0	1.011	2.7	0.039	25.87	399.10	1.722	196.1
6.513	4.8	0.878	1139.2	206.4	1.023	5.3	0.036	27.99	400.30	1.720	193.9
7.013	7.2	0.885	1130.4	209.7	1.035	7.7	0.033	30.12	401.50	1.718	191.7
7.513	9.5	0.891	1122.1	212.9	1.046	10.0	0.031	32.26	402.50	1.716	189.6
8.013	11.7	0.898	1114.0	215.9	1.056	12.2	0.029	34.42	403.50	1.714	187.6
8.513	13.8	0.904	1106.2	218.9	1.066	14.3	0.027	36.59	404.40	1.712	185.5
9.013	15.8	0.910	1098.6	221.7	1.076	16.2	0.026	38.77	405.20	1.711	183.5
9.513	17.7	0.916	1091.2	224.5	1.085	18.2	0.024	40.97	406.00	1.709	181.6
10.013	19.6	0.922	1084.0	227.1	1.094	20.0	0.023	43.19	406.80	1.708	179.7
10.513	21.3	0.929	1077.0	229.7	1.103	21.8	0.022	45.42	407.50	1.706	177.7
11.013	23.1	0.934	1070.1	232.3	1.111	23.5	0.021	47.67	408.10	1.705	175.8
16.013	37.6	0.993	1006.9	255.0	1.184	37.9	0.014	71.35	412.60	1.691	157.6
21.013	49	1.054	948.9	274.9	1.245	49.4	0.010	97.76	414.40	1.678	139.5
26.013	58.6	1.122	891.1	293.4	1.300	58.9	0.008	128.11	414.10	1.663	120.7
31.013	66.9	1.206	829.3	311.7	1.352	67.1	0.006	164.50	411.70	1.646	100.0

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See MSDS for Health & Safety Considerations