

Table I. Recommended Values for Viscosity of Ethane

Pressure, P.S.I.A.	Temperature, ° F.										
	70.0	100.0	130.0	160.0	190.0	220.0	250.0	280.0	340.0	400.0	460.0
	Viscosity, Micropoises										
14.7	91	96	101	106	111	115	120	124	133	142	150
100	93	98	103	108	113	117	122	126	135	144	152
200	95	100	105	110	115	119	124	128	138	147	155
300	98	103	107	112	117	122	126	131	140	149	158
400	101	106	110	115	120	125	129	134	143	152	161
500	104	109	113	118	123	128	132	136	145	154	163
600	440	119	120	122	126	130	134	138	147	156	165
800	475	249	143	137	136	138	142	145	152	160	168
1,000	505	371	197	157	150	149	150	152	158	165	172
1,500	567	468	365	274	222	197	185	178	178	178	181
2,000	621	528	443	367	308	262	233	217	204	195	195
3,000	705	621	543	473	415	368	333	305	265	244	233
4,000	780	696	617	548	495	450	410	375	328	297	277
5,000	845	762	685	617	560	513	473	437	381	347	322
6,000	907	823	743	675	620	570	527	490	431	392	363
7,000	960	877	800	730	670	620	578	540	477	431	397
8,000	1013	932	855	783	722	667	620	581	518	472	432
9,000	1062	987	913	845	775	717	666	625	555	507	467
10,000	1113	1038	963	890	823	761	708	666	596	543	502

the deviations are as great as 30%. Carr's (5) correlative chart, though generally within 5% of the recommended values, cannot be used for reduced temperatures or pressures below 1.0. Values from Carr's chart are lower than the recommended values for most points.

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