

Table 10-1 REFRACTIVE INDEX, DIPOLE MOMENT, AND RADIUS OF GYRATION - ORGANIC COMPOUNDS (continued)

NO	FORMULA	NAME	Refractive Index		Dipole Moment		Radius of Gyration Angstrom
			T, C	Value @ T	State	Debye	
			25.0	1.4519	in benzene	1.61	5.014
859	C8H18S	n-OCTYL MERCAPTAN	—	—	—	—	4.264
860	C8H18S	tert-OCTYL MERCAPTAN	—	—	—	—	—
861	C8H18S	BUTYL-SULFIDE	—	—	in benzene	1.57	—
862	C8H18S	ETHYL-HEXYL-SULFIDE	25.0	1.4525	—	—	—
863	C8H18S	HEPTYL-METHYL-SULFIDE	—	—	—	—	—
864	C8H18S	PENTYL-PROPYL-SULFIDE	—	—	in benzene	1.99	—
865	C8H18S2	BUTYL-DISULFIDE	25.0	1.4903	liquid	1.06	4.723
866	C8H19N	DI-n-BUTYLAMINE	25.0	1.4090	—	—	4.735
867	C8H19N	DIISOBUTYLAMINE	25.0	1.4277	in benzene	1.42	4.790
868	C8H19N	n-OCTYLAMINE	19.9	1.5055	—	—	6.374
869	C8H23N5	TETRAETHYLENEPENTAMINE	25.0	1.3935	in benzene	0.66	—
870	C8H24O4Si4	OCTAMETHYLCYCLOTETRASILOXANE	—	—	—	—	5.362
871	C9H4O5	TRIMELLITIC ANHYDRIDE	25.0	1.5651	gas	0.76	5.894
872	C9H6N2O2	TOLUENE DIISOCYANATE	29.9	1.6208	in benzene	0.76	4.013
873	C9H7N	ISOQUINOLINE	25.0	1.6248	gas	2.29	4.008
874	C9H7N	QUINOLINE	—	—	in benzene	2.68	4.312
875	C9H7NO	8-HYDROXYQUINOLINE	25.0	1.5740	in benzene	0.67	3.839
876	C9H8	INDENE	25.0	1.5460	—	—	1.114
877	C9H8O	2-METHYLBENZOFURAN	25.0	1.5358	in benzene	0.54	3.850
878	C9H10	INDANE	—	—	—	—	—
879	C9H10	cis-PROPENYLBENZENE	—	—	—	—	—
880	C9H10	trans-PROPENYLBENZENE	—	—	—	—	—
881	C9H10	alpha-METHYLSTYRENE	25.0	1.5358	—	—	4.147
882	C9H10	m-METHYLSTYRENE	25.0	1.5385	in benzene	0.36	4.265
883	C9H10	o-METHYLSTYRENE	25.0	1.5413	in benzene	0.48	4.029
884	C9H10	p-METHYLSTYRENE	25.0	1.5395	in benzene	0.38	4.109
885	C9H10O2	BENZYL ACETATE	19.9	1.5232	in benzene	1.80	4.716
886	C9H10O2	ETHYL BENZOATE	25.0	1.5035	gas	2.00	4.765
887	C9H10O3	ETHYL VANILLIN	—	—	—	—	5.180
888	C9H11NO	p-DIMETHYLAMINOBENZALDEHYDE	99.9	1.6082	in benzene	5.58	4.667
889	C9H12	CUMENE	25.0	1.4889	liquid	0.39	4.322
890	C9H12	m-ETHYLTOLUENE	25.0	1.4941	liquid	0.33	4.265
891	C9H12	o-ETHYLTOLUENE	25.0	1.5021	liquid	0.56	4.084
892	C9H12	p-ETHYLTOLUENE	25.0	1.4924	liquid	0.00	4.189
893	C9H12	MESITYLENE	25.0	1.4968	liquid	0.00	4.375
894	C9H12	n-PROPYLBENZENE	25.0	1.4895	in benzene	0.37	4.344
895	C9H12	1,2,3-TRIMETHYLBENZENE	25.0	1.5115	liquid	0.56	4.127
896	C9H12	1,2,4-TRIMETHYLBENZENE	25.0	1.5024	liquid	0.30	4.199
897	C9H12O	BENZYL ETHYL ETHER	25.0	1.4934	—	—	4.581
898	C9H12O	2-PHENYL-2-PROPANOL	25.0	1.5325	—	—	4.285
899	C9H12O2	CUMENE HYDROPEROXIDE	19.9	1.5242	in benzene	1.79	4.532
900	C9H14O	ISOPHORONE	19.9	1.4780	in dioxane	3.99	4.276
901	C9H14O6	GLYCERYL TRIACETATE	25.0	1.4288	in benzene	2.58	6.778
902	C9H16	1-NONYNE	25.0	1.4195	—	—	—
903	C9H16O4	AZELAIC ACID	110.9	1.4303	in dioxane	2.35	6.283
904	C9H18	BUTYLCYCLOPENTANE	25.0	1.4293	—	—	—
905	C9H18	cis,cis-1,3,5-TRIMETHYLCYCLOHEXANE	—	—	—	—	—
906	C9H18	cis,trans-1,3,5-TRIMETHYLCYCLOHEXANE	—	—	—	—	—
907	C9H18	ISOPROPYLCYCLOHEXANE	25.0	1.4386	gas	0.00	4.237
908	C9H18	1-NONENE	25.0	1.4133	—	—	4.873
909	C9H18	n-PROPYLCYCLOHEXANE	25.0	1.4348	gas	0.00	4.367
910	C9H18O	DIISOBUTYL KETONE	19.9	1.4122	in CCl4	2.66	4.614
911	C9H18O	1-NONANAL	25.0	1.4208	—	—	5.038
912	C9H18O2	n-BUTYL VALERATE	19.9	1.4128	—	—	5.615
913	C9H18O2	n-NONANOIC ACID	25.0	1.4302	—	—	5.732
914	C9H18O2	n-OCTYL FORMATE	25.0	1.4141	—	—	5.279
915	C9H20	3,3-DIETHYLPENTANE	25.0	1.4184	in benzene	0.00	4.314
916	C9H20	2,2-DIMETHYL-3-ETHYLPENTANE	25.0	1.4010	gas	0.00	4.396
917	C9H20	3-ETHYL-2,3-DIMETHYLPENTANE	—	—	—	—	—
918	C9H20	2,4-DIMETHYL-3-ETHYLPENTANE	25.0	1.4115	gas	0.00	4.371
919	C9H20	2,2-DIMETHYLHEPTANE	25.0	1.3993	—	—	4.845
920	C9H20	2,6-DIMETHYLHEPTANE	25.0	1.3983	gas	0.00	4.540
921	C9H20	3-ETHYLHEPTANE	25.0	1.4070	gas	0.00	4.953
922	C9H20	4-ETHYLHEPTANE	25.0	1.4073	—	—	—
923	C9H20	2,3-DIMETHYLHEPTANE	25.0	1.4062	—	—	—
924	C9H20	2,4-DIMETHYLHEPTANE	25.0	1.4011	—	—	—
925	C9H20	2,5-DIMETHYLHEPTANE	25.0	1.4015	—	—	—
926	C9H20	3,4-DIMETHYLHEPTANE	25.0	1.4089	—	—	—
927	C9H20	3,5-DIMETHYLHEPTANE	25.0	1.4044	—	—	—
928	C9H20	4,4-DIMETHYLHEPTANE	25.0	1.4053	—	—	—
929	C9H20	3-ETHYL-2-METHYLHEXANE	25.0	1.4097	—	—	—
930	C9H20	4-ETHYL-2-METHYLHEXANE	25.0	1.4046	—	—	—
931	C9H20	3-ETHYL-3-METHYLHEXANE	25.0	1.4120	—	—	—
932	C9H20	3-ETHYL-4-METHYLHEXANE	25.0	1.4128	—	—	—
933	C9H20	2,2,3-TRIMETHYLHEXANE	25.0	1.4082	—	—	—
934	C9H20	2,2,4-TRIMETHYLHEXANE	25.0	1.4010	—	—	—
935	C9H20	2,3,3-TRIMETHYLHEXANE	25.0	1.4119	—	—	—
936	C9H20	2,3,4-TRIMETHYLHEXANE	25.0	1.4120	—	—	—