

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

NO	FORMULA	NAME	Refractive Index		Dipole Moment		Radius of Gyration
			T, C	Value @ T	State	Debye	
937	C9H20	2,3,5-TRIMETHYLHEXANE	25.0	1.4037	—	—	—
938	C9H20	2,4,4-TRIMETHYLHEXANE	25.0	1.4052	—	—	—
939	C9H20	3,3,4-TRIMETHYLHEXANE	25.0	1.4154	—	—	—
940	C9H20	2-METHYLOCTANE	25.0	1.4008	—	—	—
941	C9H20	3-METHYLOCTANE	25.0	1.4040	gas	0.00	4.973
942	C9H20	4-METHYLOCTANE	25.0	1.4039	gas	0.00	5.020
943	C9H20	n-NONANE	25.0	1.4031	gas	0.00	4.772
944	C9H20	2,2,3,3-TETRAMETHYLPENTANE	25.0	1.4214	gas	0.00	4.985
945	C9H20	2,2,3,4-TETRAMETHYLPENTANE	25.0	1.4125	gas	0.00	4.100
946	C9H20	2,2,4,4-TETRAMETHYLPENTANE	25.0	1.4048	gas	0.00	4.160
947	C9H20	2,3,3,4-TETRAMETHYLPENTANE	25.0	1.4200	—	—	—
948	C9H20	2,2,5-TRIMETHYLHEXANE	25.0	1.3973	gas	0.00	4.850
949	C9H20O	2,6-DIMETHYL-4-HEPTANOL	25.0	1.4211	—	—	—
950	C9H20O	1-NONANOL	25.0	1.4319	in benzene	1.61	4.858
951	C9H20O	2-NONANOL	25.0	1.4290	—	—	4.915
952	C9H20S	n-NONYL MERCAPTAN	25.0	1.4537	—	—	5.108
953	C9H20S	BUTYL-PENTYL-SULFIDE	—	—	—	—	5.302
954	C9H20S	ETHYL-HEPTYL-SULFIDE	—	—	—	—	5.344
955	C9H20S	HEXYL-PROPYL-SULFIDE	—	—	—	—	—
956	C9H20S	METHYL-OCTYL-SULFIDE	—	—	—	—	—
957	C9H21N	n-NONYLAMINE	25.0	1.4541	—	—	—
958	C9H21N	TRIPROPYLAMINE	25.0	1.4318	—	—	5.143
959	C10H6O8	PYROMELLITIC ACID	25.0	1.4151	in benzene	0.74	5.270
960	C10H7Br	1-BROMONAPHTHALENE	—	—	—	—	5.983
961	C10H7Cl	1-CHLORONAPHTHALENE	19.9	1.6580	liquid	1.29	4.661
962	C10H8	NAPHTHALENE	19.9	1.6332	liquid	1.33	4.627
963	C10H8	AZULENE	19.9	1.9320	in benzene	0.00	4.045
964	C10H9N	QUINALDINE	—	—	in benzene	1.08	—
965	C10H10	m-DIVINYLBENZENE	25.0	1.6091	—	—	4.378
966	C10H10	1-METHYLINDENE	25.0	1.5736	—	—	4.419
967	C10H10	2-METHYLINDENE	25.0	1.5587	—	—	4.230
968	C10H10O4	DIMETHYL PHTHALATE	25.0	1.5627	—	—	4.223
969	C10H10O4	DIMETHYL TEREPHTHALATE	19.9	1.5138	in benzene	2.80	5.166
970	C10H12	DICYCLOPENTADIENE	—	—	in benzene	2.19	5.394
971	C10H12	1,2,3,4-TETRAHYDRONAPHTHALENE	34.9	1.5061	—	—	3.981
972	C10H12O	ANETHOLE	25.0	1.5392	in benzene	0.22	4.162
973	C10H12O4	DIALLYL MALEATE	19.9	1.5615	in benzene	1.50	4.717
974	C10H14	n-BUTYLBENZENE	19.9	1.4699	—	—	6.266
975	C10H14	sec-BUTYLBENZENE	25.0	1.4874	in benzene	0.37	4.849
976	C10H14	tert-BUTYLBENZENE	25.0	1.4878	in benzene	0.39	4.564
977	C10H14	1,2,3,4-TETRAMETHYLBENZENE	25.0	1.4902	gas	0.70	4.318
978	C10H14	m-CYMENE	25.0	1.5181	—	—	—
979	C10H14	o-CYMENE	25.0	1.4905	—	—	4.636
980	C10H14	p-CYMENE	25.0	1.4983	—	—	4.439
981	C10H14	m-DIETHYLBENZENE	25.0	1.4885	liquid	0.00	4.557
982	C10H14	o-DIETHYLBENZENE	25.0	1.4931	liquid	0.36	4.742
983	C10H14	p-DIETHYLBENZENE	25.0	1.5011	liquid	0.59	4.398
984	C10H14	2-ETHYL-m-XYLENE	25.0	1.4924	liquid	0.00	4.580
985	C10H14	2-ETHYL-p-XYLENE	25.0	1.5085	—	—	4.415
986	C10H14	3-ETHYL-o-XYLENE	25.0	1.5020	—	—	4.579
987	C10H14	4-ETHYL-m-XYLENE	25.0	1.5095	—	—	4.517
988	C10H14	4-ETHYL-o-XYLENE	25.0	1.5015	—	—	4.543
989	C10H14	5-ETHYL-m-XYLENE	25.0	1.5009	—	—	4.552
990	C10H14	ISOBUTYLBENZENE	25.0	1.4958	gas	0.20	4.721
991	C10H14	1,2,3,5-TETRAMETHYLBENZENE	25.0	1.4840	liquid	0.31	4.555
992	C10H14	1,2,4,5-TETRAMETHYLBENZENE	25.0	1.5107	—	—	4.516
993	C10H14O	p-tert-BUTYLPHENOL	25.0	1.5093	—	—	4.502
994	C10H14O2	p-tert-BUTYLCAATECHOL	25.0	1.5040	in benzene	1.62	4.614
995	C10H15N	N,N-DIETHYLANILINE	—	—	—	—	4.941
996	C10H15N	2,6-DIETHYLANILINE	25.0	1.5418	in benzene	1.81	4.639
997	C10H16	CAMPHENE	19.9	1.5456	—	—	4.730
998	C10H16	D-LIMONENE	54.9	1.4562	—	—	3.778
999	C10H16	alpha-PHELLANDRENE	25.0	1.4701	in benzene	1.57	4.508
1000	C10H16	beta-PHELLANDRENE	25.0	1.4691	—	—	4.458
1001	C10H16	alpha-PINENE	25.0	1.4851	—	—	4.441
1002	C10H16	beta-PINENE	25.0	1.4632	in benzene	0.36	3.418
1003	C10H16	alpha-TERPINENE	25.0	1.4768	—	—	3.817
1004	C10H16	gamma-TERPINENE	25.0	1.4760	—	—	4.620
1005	C10H16	TERPINOLENE	25.0	1.4712	—	—	4.615
1006	C10H16O	CAMPHOR	19.9	1.4861	—	—	4.567
1007	C10H18	1-DECYNE	—	—	in benzene	3.10	4.097
1008	C10H18	cis-DECAHYDRONAPHTHALENE	25.0	1.4249	—	—	—
1009	C10H18	trans-DECAHYDRONAPHTHALENE	25.0	1.4788	not specified	0.00	4.206
1010	C10H18O4	SEBACIC ACID	25.0	1.4674	not specified	0.00	4.314
1011	C10H20	n-BUTYLCYCLOHEXANE	113.2	1.4220	in dioxane	2.40	6.586
1012	C10H20	1-CYCLOPENTYLPENTANE	25.0	1.4385	gas	0.00	4.831
1013	C10H20	1-DECENE	25.0	1.4336	—	—	—
1014	C10H20O	1-DECANAL	25.0	1.4191	—	—	5.227
			25.0	1.4251	—	—	5.378