

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	
1327	C19H40S	ETHYL-HEPTADECYL-SULFIDE	—	—	—	—	—
1328	C19H40S	HEXADECYL-PROPYL-SULFIDE	—	—	—	—	—
1329	C19H40S	METHYL-OCTADECYL-SULFIDE	—	—	—	—	—
1330	C19H40S	1-NONADECANETHIOL	—	—	in benzene	0.60	6.512
1331	C20H16	TRIPHENYLETHYLENE	25.0	1.5412	gas	0.00	8.139
1332	C20H28	1-n-DECYLNAPHTHALENE	—	—	—	—	—
1333	C20H30O2	ABIETIC ACID	—	—	—	—	6.822
1334	C20H31N	DEHYDROABIETYLAMINE	25.0	—	—	—	6.103
1335	C20H34	1-PHENYLTETRADECANE	25.0	1.4797	—	—	—
1336	C20H38	1-EICOSYNE	—	—	—	—	8.106
1337	C20H40	1-CYCLOPENTYLPENTADECANE	—	—	—	—	—
1338	C20H40	1-CYCLOHEXYLTETRADECANE	—	—	—	—	—
1339	C20H40	1-EICOSENE	30.0	—	—	—	—
1340	C20H42	n-EICOSANE	20.0	—	gas	0.00	8.364
1341	C20H42O	1-EICOSANOL	20.0	—	—	—	8.414
1342	C20H42S	BUTYL-HEXADECYL-SULFIDE	—	—	—	—	—
1343	C20H42S	DECYL-SULFIDE	—	—	—	—	—
1344	C20H42S	ETHYL-OCTADECYL-SULFIDE	—	—	—	—	—
1345	C20H42S	HEPTADECYL-PROPYL-SULFIDE	—	—	—	—	—
1346	C20H42S	METHYL-NONADECYL-SULFIDE	—	—	—	—	—
1347	C20H42S	1-EICOSANETHIOL	—	—	—	—	—
1348	C20H42S2	DECYL-DISULFIDE	25.0	1.4800	—	—	—
1349	C21H21O4P	TRI-o-CRESYL PHOSPHATE	25.0	1.5587	in CCl4	2.84	6.760
1350	C21H36	1-PHENYLPENTADECANE	—	—	—	—	—
1351	C21H42	1-CYCLOPENTYLHEXADECANE	—	—	—	—	—
1352	C21H42	1-CYCLOHEXYLPENTADECANE	—	—	—	—	—
1353	C22H38	1-PHENYLHEXADECANE	—	—	—	—	—
1354	C22H44	1-CYCLOHEXYLHEXADECANE	—	—	—	—	—
1355	C22H44O2	n-BUTYL STEARATE	25.0	—	in benzene	1.88	9.746
1356	C24H38O4	DIISOCTYL PHTHALATE	25.0	1.4860	in CCl4	3.06	10.910
1357	C24H38O4	DIOCTYL PHTHALATE	25.0	1.4845	in benzene	2.84	11.000
1358	C24H42O	DINONYLPHENOL	—	—	—	—	—
1359	C26H20	TETRAPHENYLETHYLENE	—	—	—	—	11.660
1360	C28H46O4	DIISODECYL PHTHALATE	25.0	1.4840	in benzene	0.33	7.145
							9.114

Refractive index applies at T.

T, C - temperature in Centigrade.

Dipole moment is given in Debye units.

The conversion factor for Debye units is 1 Debye = 3.33564E-30 C M

Radius of gyration is given in Angstrom units.

The conversion factor for Angstrom units is 1 Angstrom = 1.0E-10 meters