

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	
547	C ₆ H ₁₁ N	HEXANENITRILE	25.0	1.4048	—	—	3.971
548	C ₆ H ₁₁ NO	epsilon-CAPROLACTAM	—	—	in benzene	3.88	3.761
549	C ₆ H ₁₁ NO	CYCLOHEXANONE OXIME	—	—	in benzene	0.83	3.286
550	C ₆ H ₁₂	CYCLOHEXANE	25.0	1.4235	gas	0.61	3.242
551	C ₆ H ₁₂	2,3-DIMETHYL-1-BUTENE	25.0	1.3873	—	—	3.628
552	C ₆ H ₁₂	2,3-DIMETHYL-2-BUTENE	25.0	1.4424	—	—	3.577
553	C ₆ H ₁₂	3,3-DIMETHYL-1-BUTENE	25.0	1.3731	—	—	3.341
554	C ₆ H ₁₂	2-ETHYL-1-BUTENE	25.0	1.3938	—	—	3.825
555	C ₆ H ₁₂	trans-3-METHYL-2-PENTENE	—	—	—	—	—
556	C ₆ H ₁₂	1-HEXENE	25.0	1.3850	liquid	0.34	3.660
557	C ₆ H ₁₂	cis-2-HEXENE	25.0	1.3947	—	—	3.760
558	C ₆ H ₁₂	trans-2-HEXENE	25.0	1.3907	—	—	3.816
559	C ₆ H ₁₂	cis-3-HEXENE	25.0	1.3919	in benzene	0.34	3.649
560	C ₆ H ₁₂	trans-3-HEXENE	25.0	1.3914	gas	0.00	3.649
561	C ₆ H ₁₂	METHYLCYCLOPENTANE	25.0	1.4070	liquid	0.00	3.299
562	C ₆ H ₁₂	2-METHYL-1-PENTENE	25.0	1.3891	—	—	3.704
563	C ₆ H ₁₂	2-METHYL-2-PENTENE	25.0	1.3974	—	—	3.738
564	C ₆ H ₁₂	3-METHYL-1-PENTENE	25.0	1.3813	—	—	3.557
565	C ₆ H ₁₂	3-METHYL-cis-2-PENTENE	25.0	1.3988	—	—	3.589
566	C ₆ H ₁₂	4-METHYL-1-PENTENE	25.0	1.3797	—	—	3.679
567	C ₆ H ₁₂	4-METHYL-cis-2-PENTENE	25.0	1.3850	—	—	3.621
568	C ₆ H ₁₂	4-METHYL-trans-2-PENTENE	25.0	1.3858	—	—	3.766
569	C ₆ H ₁₂ N ₂	TRIETHYLENEDIAMINE	—	—	—	—	3.234
570	C ₆ H ₁₂ O	BUTYL VINYL ETHER	25.0	1.3997	in benzene	1.25	3.806
571	C ₆ H ₁₂ O	CYCLOHEXANOL	25.0	1.4645	in CCl ₄	1.86	3.601
572	C ₆ H ₁₂ O	1-HEXANAL	25.0	1.4017	—	—	3.924
573	C ₆ H ₁₂ O	ETHYL ISOPROPYL KETONE	25.0	1.3958	—	—	3.892
574	C ₆ H ₁₂ O	2-HEXANONE	25.0	1.3987	in benzene	2.68	4.093
575	C ₆ H ₁₂ O	3-HEXANONE	25.0	1.3980	—	—	4.009
576	C ₆ H ₁₂ O	METHYL ISOBUTYL KETONE	25.0	1.3933	liquid	2.70	3.828
577	C ₆ H ₁₂ O ₂	n-PENTYL FORMATE	25.0	1.3977	gas	1.90	4.159
578	C ₆ H ₁₂ O ₂	n-BUTYL ACETATE	25.0	1.3918	liquid	1.84	4.261
579	C ₆ H ₁₂ O ₂	sec-BUTYL ACETATE	25.0	1.3875	—	—	4.055
580	C ₆ H ₁₂ O ₂	tert-BUTYL ACETATE	25.0	1.3840	in benzene	1.91	3.845
581	C ₆ H ₁₂ O ₂	ETHYL n-BUTYRATE	25.0	1.3900	in benzene	1.76	4.298
582	C ₆ H ₁₂ O ₂	ETHYL ISOBUTYRATE	25.0	1.3873	in benzene	2.07	4.211
583	C ₆ H ₁₂ O ₂	ISOBUTYL ACETATE	25.0	1.3880	in benzene	1.87	4.276
584	C ₆ H ₁₂ O ₂	n-PROPYL PROPIONATE	25.0	1.3920	in benzene	1.79	4.311
585	C ₆ H ₁₂ O ₂	CYCLOHEXYL PEROXIDE	25.0	1.4638	—	—	3.861
586	C ₆ H ₁₂ O ₂	DIACETONE ALCOHOL	25.0	1.4219	in benzene	3.24	3.905
587	C ₆ H ₁₂ O ₂	2-ETHYL BUTYRIC ACID	25.0	1.4112	—	—	4.126
588	C ₆ H ₁₂ O ₂	n-HEXANOIC ACID	25.0	1.4148	liquid	1.13	4.404
589	C ₆ H ₁₂ O ₃	2-ETHOXYETHYL ACETATE	25.0	1.4023	in benzene	2.25	4.664
590	C ₆ H ₁₂ O ₃	HYDROXYCAPROIC ACID	—	—	—	—	4.727
591	C ₆ H ₁₂ O ₃	PARALDEHYDE	19.9	1.4050	gas	1.43	4.166
592	C ₆ H ₁₂ O ₃	sec-BUTYL GLYCOLATE	—	—	—	—	—
593	C ₆ H ₁₂ S	THIACYCLOHEPTANE	—	—	—	—	—
594	C ₆ H ₁₃ N	CYCLOHEXYLAMINE	25.0	1.4565	in hexane	1.31	3.539
595	C ₆ H ₁₃ N	HEXAMETHYLENEIMINE	23.9	1.4641	—	—	3.491
596	C ₆ H ₁₄	2,2-DIMETHYLBUTANE	25.0	1.3659	gas	0.00	3.476
597	C ₆ H ₁₄	2,3-DIMETHYLBUTANE	25.0	1.3728	gas	0.00	3.636
598	C ₆ H ₁₄	n-HEXANE	25.0	1.3723	gas	0.00	3.769
599	C ₆ H ₁₄	2-METHYLPENTANE	25.0	1.3687	gas	0.00	3.784
600	C ₆ H ₁₄	3-METHYLPENTANE	25.0	1.3739	gas	0.00	3.695
601	C ₆ H ₁₄ N ₂ O ₂	LYSINE	—	—	—	—	5.191
602	C ₆ H ₁₄ O	2-ETHYL-1-BUTANOL	25.0	1.4205	—	—	3.906
603	C ₆ H ₁₄ O	1-HEXANOL	25.0	1.4161	in benzene	1.65	4.144
604	C ₆ H ₁₄ O	2-HEXANOL	25.0	1.4128	—	—	3.787
605	C ₆ H ₁₄ O	2-METHYL-1-PENTANOL	25.0	1.4172	—	—	3.967
606	C ₆ H ₁₄ O	4-METHYL-2-PENTANOL	25.0	1.4080	—	—	3.843
607	C ₆ H ₁₄ O	n-BUTYL ETHYL ETHER	25.0	1.3793	in benzene	1.22	3.932
608	C ₆ H ₁₄ O	DIISOPROPYL ETHER	25.0	1.3655	gas	1.13	3.906
609	C ₆ H ₁₄ O	Di-n-PROPYL ETHER	25.0	1.3780	gas	1.21	3.914
610	C ₆ H ₁₄ O	METHYL tert-PENTYL ETHER	25.0	1.3859	—	—	3.485
611	C ₆ H ₁₄ O ₂	ACETAL	25.0	1.3682	gas	1.08	4.329
612	C ₆ H ₁₄ O ₂	2-BUTOXYETHANOL	25.0	1.4177	in benzene	2.08	4.192
613	C ₆ H ₁₄ O ₂	1,6-HEXANEDIOL	25.0	1.4485	in dioxane	2.50	4.428
614	C ₆ H ₁₄ O ₂	HEXYLENE GLYCOL	25.0	1.4260	in dioxane	2.90	3.918
615	C ₆ H ₁₄ O ₂ S	Di-n-PROPYL SULFONE	29.9	1.4456	in benzene	4.47	4.706
616	C ₆ H ₁₄ O ₃	DIETHYLENE GLYCOL DIMETHYL ETHER	25.0	1.4043	in benzene	1.97	4.413
617	C ₆ H ₁₄ O ₃	DIPROPYLENE GLYCOL	19.9	1.4407	—	—	4.821
618	C ₆ H ₁₄ O ₃	2-(2-ETHOXYETHOXY)ETHANOL	25.0	1.4254	—	—	4.433
619	C ₆ H ₁₄ O ₃	TRIMETHYLOLPROPANE	—	—	—	—	4.161
620	C ₆ H ₁₄ O ₄	TRIETHYLENE GLYCOL	25.0	1.4550	liquid	5.58	4.710
621	C ₆ H ₁₄ O ₆	SORBITOL	—	—	—	—	5.008
622	C ₆ H ₁₄ S	n-HEXYLMERCAPTAN	25.0	1.4473	liquid	1.55	4.252
623	C ₆ H ₁₄ S	BUTYL-ETHYL-SULFIDE	25.0	1.4463	—	—	—
624	C ₆ H ₁₄ S	ISOPROPYL-SULFIDE	25.0	—	—	—	—