

Common Name	Chemical Name	Other Names	HOMO	LUMO	E <sub>T</sub>	CAS	T <sub>melt</sub>	M.W.	τ
3TPYMB	Tris(2,4,6-trimethyl-3-(pyridin-3-yl)phenyl)borane		6.7	3.3		929203021		599.61	
4CzIPN	(4s,6s)-2,4,5,6-tetra(9H-carbazol-9-yl)isophthalonitrile		5.8	3.4		1416881521		788.89348	
Ag	Silver	silver ag	4.6	4.6		7440224	962.0	107.868	
Air									
Al	Aluminum					7429905	660.0	26.981	
Alq3	Tris(8-hydroxyquinoline)aluminum	Tris(8-hydroxyquinoline)aluminum Aluminum oxinate Aluminum 8-hydroxyquinolate 8-Hydroxyquinoline aluminum salt	5.62	2.85		2085338		459.43	
Anthracene	Anthracene		5.7	1.7		120127		178.23	
AQ1200				5.5					
AQ1250				5.5					
Au	Gold	gold au	5.1	5.1		7440575	1064.0	196.97	
B3PYMPM	bis-4,6-(3,5-di-3-pyridylphenyl)-2-methylpyrimidine		6.8	3.3		925425963		554.64	
BCBP	2,2'-Bis(4-(carbazol-9-yl)phenyl)-biphenyl		6.1	2.6		858131701		636.78	
BCP	Bathocuproine		6.5 7.0	1.6 3.5		4733395		360.45	
BP2T	5,5'-[Di(1,1-biphenyl)-4-yl]-2,2-bithiophene		5.3	2.8		175850289		470.658	
BP4mPy	3,5,3A,5A-tetra(m-pyrid-3-yl)phenyl[1,1A]-biphenyl	3,5,3,5-tetra(m-pyrid-3-yl)phenyl[1,1]biphenyl	6.66	2.57		1009033946	191	766.93	
Bphen	Bathophenanthroline	4,7-Diphenyl-1,10-phenanthroline	6.4	3.0		1662017		332.4	

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BP $\gamma$ -TP2	2,7-Bis(2,20-bipyridine-5-yl)triphenylene		5.7	2.7		1394813581		536.624	
c-TiO <sub>2</sub>									
C60	Fullerene	fullerene	6.1	3.7 3.5		99685968		720.64	
C70	[5,6]-Fullerene	fullerene C60	6.3			115383227		840.75	
CBP	4,4-Bis(N-carbazolyl)-1,1-biphenyl		6.1 6.0	1.9 2.9		58328317		484.59	0.7
CDBP	4,4'-Bis(9-carbazolyl)-2,2'-dimethylbiphenyl					120260017		512.64	
ClAlP <sub>c</sub>	Aluminum phthalocyanine chloride					14154428		574.96	
CuP <sub>c</sub>	Copper(II) phthalocyanine		4.8 5.2	2.6 3.5		147148		576.07	
CzSi	9-(4-tert-butylphenyl)-3,6-bis(triphenylsilyl)-9H-carbazole		6.0	2.5		898546822		816.19	
CzTRZ	9-[4-(4,6-diphenyl-1,3,5-triazin-2-yl)phenyl]-9H-carbazole		6.08	3.28		nan		nan	
Dow ETL			5.1	1.808					
Dow ETL2			5.842	1.908					
Dow HIL			4.509	1.128					
Dow Host A			5.669	2.269 1.223					
Dow Host B			5.261	2.361 1.872					
Dow HTL			4.736	1.039					

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DPDCPB	2-[7-(4-Diphenylaminophenyl)-2,1,3-benzothiadiazol-4-yl]methylenepropanedinitrile		5.5	3.36		1393343606		455.53	
DPDCTB			5.35	3.44					
DTDCPB	2-[(7-4-[N,N-Bis(4-methylphenyl)amino]phenyl)-2,1,3-benzothiadiazol-4-yl]methylenepropanedinitrile		5.43	3.35		1393343582		483.59	
DTDCTB	2-[7-(5-N,N-Ditolylaminothiophen-2-yl)-2,1,3-benzothiadiazol-4-yl]methylenemalononitrile		5.3	3.44		1335150098		489.61	
Firpic	Bis[2-(4,6-difluorophenyl)pyridinato-C2,N](picolinato)iridium(III)		5.8	2.9		376367930		694.66	
Glass	Silicon Dioxide								
H2Pc	29H,31H-Phthalocyanine					574936		514.54	
HATCN	1,4,5,8,9,11-Hexaazatriphenylenhexacarbonitrile		9.5 7.5	5.5 4.4		105598274		384.27	
Hoye CoOMe									
Hoye Nap CoOMe									
Hoye Nap NPh2									
Hoye Nap OMe									
Hoye Nap H									
Hoye OH									
Hoye OMe									
Hoye Triben-H									
Hoye Triben OMe									
Hoye OMe			6.07	2.55					

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Ir(dpm)PQ2	Bis(2-phenylquinoline)(2,2,6,6-tetramethylheptane-3,5-dionate)iridium(III)					713079039		783.98	
Ir(mphq)3	Tris[2-phenyl-4-methylquinoline]iridium(III)					1433853907		847.04	
Ir(ppy)3	Tris[2-phenylpyridinato-C2,N]iridium(III)		5.1	2.6		94928866		654.78	1000.0
ITO	Indium Tin Oxide					50926119			
Li(acac)									
LiF	Lithium Fluoride			2.8		7789244		25.94	
LiQ	8-Quinolinolato lithium (Liq)		4.667	1.292		25387933		151.09	
MADN	2-Methyl-9,10-bis(naphthalen-2-yl)anthracene		5.6	2.6		804560007		444.57	
MAI									
mCBP	3,3'-Bis(N-carbazolyl)-1,1'-biphenyl		6.0	2.4		342638544		484.58	16
mCP	1,3-Bis(N-carbazolyl)benzene		6.1 5.9	2.4		550378784	187.0	408.49	
MgPc	Magnesium phthalocyanine					1661036		536.83	
MoOx	Molybdenum(VI) oxide					1313275		143.94	
NPD	N,N-Di(1-naphthyl)-N,N-diphenyl-(1,1-biphenyl)-4,4-diamine		5.3 5.4 5.4	2.3 1.52 2.4		123847858	280.0	588.74	3.5

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NTCDA	1,4,5,8-Naphthalenetetracarboxylic dianhydride		7.9	4.0		81301		268.18	
NTU1	2-[7-(4-ethyl-4H-thieno[3,2-b]indol-2-yl)benzo[c][1,2,5]thiadiazol-4-yl]-methylenemalononitrile								
NTU2	2-[7-(8-ethyl-8Hthieno[2,3-b]indol-2-yl)benzo[c][1,2,5]thiadiazol-4-yl]-methylenemalononitrile								
P3HT	Poly(3-hexylthiophene-2,5-diyl)					156074985			
PbPc	Lead(II) phthalocyanine					15187163		719.72	
Pedot	Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate)								
Pentacene	Pentacene		5.2 4.85 5.0	3.0 2.8 3.2		135488	300.0	278.35	
Perfluoropentacene	perfluoropentacene		6.7	5.0		646533882		530.22	
PO-T2T	2,4,6-Tris[3-(diphenylphosphinyl)phenyl]-1,3,5-triazine		6.83	2.83		1646906264	287	909.8	
PPT	2,8-Bis((diphenylphosphoryl)di benzo[b,d]thiophene		7.5	3.5		1019842999		584.6	
PQIr	(2,4-Pentanedionato)bis[2-(2-quinoliny)phenyl]iridium (III)					337526951		699.82	
Pt17									

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PTCBI	3,4,9,10-Perylenetetra-carboxylic Bisbenzimidazole		6.2	4.3		79534911		536.54	
PTCDA	Perylene-3,4,9,10-tetracarboxylic dianhydride		6.95	4.1		128698		392.32	3.2
PTCDI	N,N-Dioctyl-3,4,9,10-perylene-dicarboximide	PTCDI-C8	6.2	6.2		78151583		614.77	
PtOEP	Platinum octaethylporphyrin					31248392		727.84	
PtTPPTBP	Platinum(II) tetraphenyltetra-benzoporphyrin	[6,13,20,27-Tetraphenyl-29H,31H-tetrabenzoporphinato(2-)-2N29,N31]platinum Pt(II) meso-Tetraphenyl Tetra-benzoporphine platinum tetraphenyl-tetrabenzoporphine PtTPBP	4.8	2.9		166174056		1008.0	
Quartz									
Rubrene	5,6,11,12-Tetraphenylnaphthacene		4.85 5.3 4.47 4.45 4.51 4.83 4.85 4.92	3.15 2.7 1.88 1.88 1.95 2.18 2.2 2.27		517511		532.67	9.1
SnI22									
SnNcCl2	Tin(IV) 2,3-naphthalocyanine dichloride					26857614		902.37	

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SubNc	Boron sub-2,3-naphthalocyanine chloride	SubNc-Cl	5.35	3.47		142710563		580.83	
SubPc	Boron subphthalocyanine chloride	SubPc-Cl	5.5 5.6 5.57 6.5	3.5 3.2 3.6 3.0		36530060	375.0	430.66	0.5
T2T	2,4,6-tris(biphenyl-3-yl)-1,3,5-triazine		5.5	1.8		1201800830		537.652	
TAPC	4,4-Cyclohexyldienebis[N,N-bis(4-methylphenyl)benzenamine]		6.3	2.7		150405699		429.56	
TAZ	3-(Biphenyl-4-yl)-5-(4-tert-butylphenyl)-4-phenyl-4H-1,2,4-triazole		5.7	2.4		139092787		740.89	
TCTA	Tris(4-carbazoyl-9-ylphenyl)amine		5.1	1.8		92240		228.29	
Tetracene	Benz[b]anthracene		6.63	2.54		921205030	181	537.65	
TmPyPB	1,3,5-Tri(m-pyrid-3-ylphenyl)benzene		6.68	2.73		192198859		654.76	
TPBi	2,2,2''-(1,3,5-Benzinetriyl)-tris(1-phenyl-1-H-benzimidazole)		5.5	2.3		65181784		516.67	
TPD	N,N-Bis(3-methylphenyl)-N,N-diphenylbenzidine		5.6	2.1		1141757836		725.88	
Tris-PCz	9,9,9-triphenyl-9H,9H,3,6,3-tercarbazole	9,9'-Diphenyl-6-(9-phenyl-9H-carbazol-3-yl)-9H,9'H-3,3'-bicarbazole							

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UGH2	p-Bis(triphenylsilyl)benzene; bis(triphenylsilyl)-1,4-Phenylenebis(triphenylsilane); Phenylenebis(triphenylsilane)	Benzene, 1,4-	7.2	2.8		18856081	345.0	594.89	
ZnPc	Zinc phthalocyanine		5.28	3.3		14320048		577.91	