

Name	Dielectric constant ϵ_r
(dichloromethyl)benzene	6.9
1,1,1-trichloroacetone	10.4
1,1,1-trichloroethane	7.3
1,1,1-trichlorotrifluoroethane	2.4
1,1,2,2-tetrachloroethane	8.4
1,1,2-trichloro-1,2,2-trifluoroethane	2.4
1,1,2-trichloroethane	7.3
1,1,3,3-tetraethylurea	14.7
1,1-dichloroethane	10.0
1,1-dichloroethene	4.7
1,1-diethoxymethane	2.5
1,10-dichlorodecane	7.1
1,2,3,4-tetrachlorobenzene	3.2
1,2,3,4-tetramethylbenzene	2.6
1,2,3-propanetriol	47.0
1,2,3-propanetriyl-tri-(Z)-9-octadecenoate	3.8
1,2,3-trichloropropane	7.9
1,2,4-trichlorobenzene	2.2
1,2-diaminoethane	14.2
1,2-dibromobenzene	8.1
1,2-dibromoethane	4.8
1,2-dibromopropane	4.3
1,2-dichloro-1,1,2,3,3,3-hexafluoropropan	2.4
1,2-dichloro-1,2,3,3,4,4-hexafluorocyclobutane	2.5
1,2-dichlorobenzene	9.9
1,2-dichloroethane	10.4
1,2-dichloropropane	8.9
1,2-difluorobenzene	14.3
1,2-dimethoxy-4-propenylbenzene	4.7
1,2-dimethoxybenzene	4.1
1,2-dimethoxyethane	7.2
1,2-dimethylbenzene	2.6
1,2-propanediol	32.0
1,3,3-trimethyl-2-oxabicyclo[2.2.2]octane	4.8
1,3,5-trimethylbenzene	2.4

1,3-dibromobenzene	5.0
1,3-dichlorobenzene	5.0
1,3-dichloropropane	9.5
1,3-difluorobenzene	5.2
1,3-dimethyl propanedioate	10.3
1,3-dimethyltetrahydropyrimidin- 2(1H)-one	36.1
1,3-dioxolan-2-one	89.8
1,4-butanediol	32.9
1,4-cyclohexadiene	2.3
1,4-dichlorobenzene	2.4
1,4-dichlorobutane	9.7
1,4-difluorobenzene	2.3
1,5-cyclooctadiene	2.4
1-allyl-3,4-methylenedioxybenzene	3.1
1-bromo-2-chloroethane	7.1
1-bromobutane	7.2
1-bromopentane	6.3
1-bromopropane	8.4
1-chloro-2,3-epoxypropane	23.0
1-chloro-3-methylbutane	6.4
1-chlorobutane	7.4
1-chloronaphthalene	5.0
1-chloropentane	6.6
1-chloropropane	8.5
1-formylpiperidine	26.2
1-hexene	2.1
1-iodobutane	6.4
1-iodonaphthalene	4.6
1-iodopentane	5.8
1-iodopropane	7.1
1-methoxy-2-methylbenzene	3.6
1-methoxy-3-methylbenzene	4.1
1-methylnaphthalene	2.9
1-nonyne	2.5
1-propenyl-3,4- methylenedioxybenzene	3.3
2,2,2-trifluoroethanol	8.6
2,2,4,4-tetramethyl-3-pentanone	9.4
2,2,4-trimethylpentane	1.9
2,2,5,5-tetramethyltetrahydrofuran	5.0
2,2-dichloropropane	11.6

2,2-dimethylpropanenitrile	20.1
2,3,4,5,6-pentafluorotoluene	1.9
2,4,6-trimethylpyridine	12.0
2,4-dimethyl-3-pentanone	17.1
2,4-pentanedione	23.1
2,5,8,11-tetraoxadodecane	7.5
2,5-dimethyltetrahydrofuran	3.1
2,6-di-tert-butylpyridine	3.4
2,6-difluoropyridine	107.8
2,6-dimethyl-4-heptanone	9.9
2,6-dimethylpyridine	7.3
2-bromopyridine	24.0
2-butanol	16.6
2-butanone	18.5
2-butoxyethanol	5.3
2-chloro-2-methylpropane	11.0
2-chloroethanol	25.0
2-cyanopyridine	93.8
2-ethoxyethanol	5.3
2-fluoropyridine	37.3
2-heptanone	12.0
2-hexanone	14.6
2-iodopropane	8.2
2-methoxy-2-methylpropane	4.5
2-methoxyethanol	16.9
2-methoxyphenol	11.7
2-methyl-1-propanol	16.7
2-methyl-2-butanol	5.8
2-methyl-2-nitropropane	23.7
2-methyl-2-phenylpropane	2.4
2-methyl-2-propanamine	4.3
2-methyl-2-propanol	10.9
2-methylbenzonitrile	18.5
2-methylcyclohexanol	13.5
2-methylpropanenitrile	20.8
2-methylpropyl acetate	5.6
2-methylpyridine	9.8
2-methyltetrahydrofuran	7.0
2-nitropropane	25.5
2-pentanone	15.5
2-phenylacetone nitrile	18.3

2-phenylethanol	13.0
2-propanol	19.9
2-propanone	20.7
2-propen-1-amine	6.0
2-propene-1-ol	21.0
2-propenenitrile	33.0
2-propyn-1-amine	6.7
3,3-dimethyl-2-butanone	12.7
3,4-dimethylpyridine	11.5
3,6,9-trioxaundecane	5.7
3-bromopropene	7.0
3-bromopyridine	9.9
3-chloropropene	8.2
3-chloropropyne	7.6
3-iodopropene	6.1
3-methyl-1-butanol	15.2
3-methyl-2-butanone	16.6
3-methylbutyl acetate	5.6
3-methylcyclohexanol	12.3
3-methyloxazolidin-2-one	79.3
3-methylphenol	11.5
3-methylsulfolane	29.4
3-pentanone	17.3
4,5-dichloro-1,3-dioxolan-2-one	34.4
4-heptanone	12.6
4-methyl-2-oxo-1,3-dioxolane	64.9
4-methyl-2-pentanone	13.1
4-methylanisole	4.0
4-methylpentanenitrile	15.0
4-methylpyridine	12.3
5-nonanone	10.6
acetic acid	6.2
acetic anhydride	20.0
acetonitrile	37.5
acetophenone	17.4
acetyl chloride	15.8
aniline	6.7
benzene	2.3
benzonitrile	26.0
benzyl acetate	5.1
benzyl alcohol	13.0

benzyl chloride	7.0
benzyl ethyl ether	3.9
bis(2-chloroethyl) ether	20.8
bis(2-methoxyethyl) ether	7.3
bis(3-methylbutyl) ether	2.8
bromobenzene	5.4
bromoethane	4.9
bromotrichloromethane	2.5
butane	1.8
butanenitrile	20.7
butanoic acid	2.8
butanol	17.5
butyl acetate	5.0
butylamine	5.4
butyric anhydride	12.8
carbon disulfide	2.6
chloroacetonitrile	30.0
chlorobenzene	5.6
chlorocyclohexane	7.6
cis-1,2-dichloroethene	9.2
cis-decalin	2.2
cumene	2.4
cycloheptane	2.1
cycloheptatriene	2.5
cyclohexanamine	4.4
cyclohexane	1.9
cyclohexanol	15.0
cyclohexanone	18.2
cyclohexene	2.2
cyclooctane	2.1
cyclooctatetraene	2.5
cyclopentane	1.8
cyclopentanone	14.5
decane	2.0
decanol	8.1
di-n-butyl phthalate	6.4
di-n-butyl sulfide	4.4
di-tert-butyl ether	3.1
diallylamine	3.8
dibenzyl ether	3.9
dibromomethane	7.8

dibutyl ether	3.1
dichloromethane	8.9
diethyl (2E)-2-butenedioate	6.6
diethyl carbonate	3.1
diethyl decanedioate	5.0
diethyl ether	4.3
diethyl propanedioate	7.9
diethyl sulfide	7.2
diethyl sulfite	16.2
diethylamine	3.7
diethylene glycol	31.7
diiodomethane	5.3
diisopropyl ether	4.0
diisopropyl sulfide	5.8
diisopropylamine	3.0
dimethoxymethane	2.7
dimethyl butanedioate	5.1
dimethyl carbonate	3.2
dimethyl disulfide	9.8
dimethyl phthalate	8.5
dimethyl sulfate	50.3
dimethyl sulfide	6.3
dimethyl sulfoxide	46.7
dioxane	2.3
dipentyl ether	3.1
diphenyl ether	3.9
diphenylmethane	2.6
dipropyl ether	3.4
dodecane	2.0
dodecanenitrile	10.1
ethanediol	37.7
ethanol	24.6
ethoxyacetylene	8.1
ethyl 2-hydroxypropanoate	13.1
ethyl 3-oxobutanoate	15.7
ethyl 4-oxopentanoate	11.9
ethyl acetate	6.0
ethyl benzoate	6.0
ethyl chloroacetate	12.8
ethyl dodecanoate	3.4
ethyl formate	8.4

ethyl isothiocyanate	19.5
ethyl pentyl ether	3.6
ethyl phenyl ether	4.2
ethyl propiolate	7.0
ethyl salicylate	8.6
ethyl thiocyanate	29.3
ethyl trichloroacetate	7.8
ethylbenzene	2.4
ethynylbenzene	3.0
fluorobenzene	5.6
formamide	84.0
formic acid	58.5
furan	2.9
furfural	41.9
g-valerolactone	36.1
heptane	1.9
heptanoic acid	2.6
heptanol	12.1
hexachloro-1,3-butadiene	2.6
hexachloroacetone	4.0
hexachlorocyclopentadiene	2.9
hexachloropropene	2.8
hexadecane	2.1
hexafluorobenzene	2.1
hexamethylphosphoramide	30.0
hexane	1.9
hexanenitrile	17.3
hexanoic acid	2.6
hexanol	13.3
iodobenzene	4.6
iodoethane	7.4
iodomethane	6.9
m-xylene	2.4
meso-2,3-dibromobutane	6.2
methanol	32.7
methoxybenzene	4.3
methoxysulfinyloxymethane	21.9
methyl (Z)-9-octadecenoate	3.2
methyl 2-hydroxybenzoate	9.0
methyl 2-methyl-2-propenoate	2.9

methyl 2-propenoate	7.1
methyl acetate	6.7
methyl benzoate	6.6
methyl butanoate	5.5
methyl decanoate	3.9
methyl dodecanoate	3.6
methyl formate	8.5
methyl hexanoate	4.7
methyl linoleate	3.2
methyl octanoate	4.1
methyl pentanoate	5.0
methyl propanoate	6.2
methyl trichloroacetate	8.8
methyl trifluoroethanoate	11.5
methylbutane	1.8
methylcyclohexane	2.0
morpholine	7.4
N,N,N',N'-tetramethylguanidine	23.1
N,N,N',N'-tetramethylurea	24.5
N,N-diethylacetamide	31.3
N,N-diethylformamide	29.0
N,N-dimethylacetamide	37.8
N,N-dimethylaniline	4.4
N,N-dimethylcyanamide	37.2
N,N-dimethylcyclohexylamine	2.9
N,N-dimethylformamide	36.7
N,N-dimethylpropionamide	33.1
N-(tert-butyl)benzylamine	3.2
N-benzylmethylamine	4.1
N-methylaniline	6.0
N-methylcyclohexylamine	3.6
N-methylformanilide	17.2
N-methylpiperidine	2.6
N-methylpyrrolidon	32.2
n-tetradecyl bromide	3.8
nitrobenzene	34.8
nitroethane	19.7
nitromethane	39.4
nonane	2.0
octadecafluoronaphthalene	1.9
octadecanoic acid	2.3

octane	2.0
octanol	10.3
oxane	5.7
oxolan-2-one	41.0
p-xylene	2.3
pentachloroethane	3.9
pentadecane	2.1
pentafluorobenzene	4.4
pentamethylene sulfide	6.6
pentane	1.8
pentanenitrile	17.7
pentanoic acid	2.6
pentanol	13.9
pentyl acetate	4.8
perfluoro-n-heptane	1.8
perfluoro-n-octane	1.8
perfluoromethylcyclohexane	1.9
perfluorotributylamine	1.9
perhydrofluorene	2.3
phenol	10.0
phenyl acetate	5.2
phosphorus oxychloride	13.5
piperidine	5.9
propanenitrile	27.7
propanoic acid	3.1
propanol	20.3
propyl acetate	6.3
propyl formate	7.7
propyl pentanoate	4.0
pyridine	12.4
pyrrole	7.5
quadricyclane	2.3
quinoline	9.0
sulfolane	44.0
tetrachloroethene	2.3
tetrachloromethane	2.2
tetradecafluorohexane	1.6
tetrahydrofuran	7.6
tetrahydronaphthalene	2.8
tetramethylsilane	1.9
thioanisole	4.8

thiolane	8.6
thiolane-1-oxide	42.8
thiophene	2.7
toluene	2.4
trans,trans,cis-1,5,9-cyclododecatriene	2.4
trans-1,2-dichloroethene	2.3
triacetin	7.0
tribromomethane	4.4
tributyl phosphate	8.3
tributylamine	2.3
trichloroacetaldehyde	4.9
trichloroacetic anhydride	5.0
trichloroethanenitrile	7.7
trichloroethene	3.4
trichlorofluoromethane	2.4
trichloromethane	4.8
tricyclo[5.2.1.0 ^{2,6}]deca-3,8-diene	2.5
triethyl phosphate	13.0
triethylamine	2.4
trifluoroacetic acid	8.6
trifluoromethylbenzene	9.4
trimethyl phosphate	21.3
tripropyl phosphate	10.9
undecane	2.0
undecanenitrile	10.9
vinyl acetate	2.3
vinyl benzene	2.4
water	80.1