

DIELECTRIC CONSTANTS OF VARIOUS MATERIALS

Warning! These values have been measured by Delta Controls or collected from sources thought to be reliable. Most values are expected to be accurate enough for use in applying series 100 switches and transmitters. When an application is very hazardous or a highly reliable accuracy is required, the material will have to be tested and measured against a reference standard by a certified laboratory. Note that the Dc will have to be measured under every possible operating condition so as to be able to predict the true results.

- Caveats:**
- 1) Do not believe that the unknown Dc of a material is "close to" or "same as" a listed material that is spelled similarly to the unknown one.
 - 2) Do not assume that "GR" or "P" always means the same size particles throughout this document. They are generalities and strongly influenced by the person naming the condition of the materials.

FIELD DEFINITIONS

Media Is the name of the process material
Dc Means the Dielectric Constant of the material, under the conditions shown
Temp F Is the temperature in degrees Fahrenheit
State Is the form and/or condition of the process material

Key to material state

L is a Liquid
S is a Solid
P is a Powdered solid

GR is a Granulated Solid
GA is a Gas

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Approved

USING Dc FOR MEASURING MATERIAL LEVEL

Level Measurement of Liquids

For this purpose, the Dc of a material is essentially a ratio of how much R.F. energy will pass through it as compared to the amount that will pass through empty space (Dc=1.0). Thus, gasoline (Dc=2.1) will pass 2.1 times as much R.F. energy as will a hard vacuum. Pure water (Dc=80.0) will pass 80 times as much.

Interface Position Measurement

A liquid/liquid interface position can be reliably sensed if one of the materials is conductive (e.g. tap water, acid, caustic, etc.) and the other is non-conductive (e.g. lube oil, analine, grease, etc.). The conductivity of each material must remain constant for best accuracy.

Level Measurement of Solids

The Dc of solids are defined in exactly the same way as it is for liquids. However, solids for processing are ground into powders or small granules and contain space (filled with gas, Dc=1.0) between the particles.

$$\text{True Dc} = (\text{Dc of solid} - 1.0)(\text{Bulk density/solid density}) + 1.0$$

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
ABS (PLASTIC)	1.9	72		GR	ABS RESIN	2.4	75		P
ACENAPHTHENE	3.0	70		L	ACETAL	3.6	70		L
ACETAL DOXIME	3.4	68		L	ACETALDEHYDE	21.8	41		L
ACETALDEHYDE	22.2	50		L	ACETALDEHYDE OXIME	3.0	73.4		L
ACETAMIDE	4.1	60		L	ACETAMIDE	4.0	75		S
ACETANILIDE	2.9	71		L	ACETANILIDE	2.9	75		S
ACETATE	1.3	75		GR	ACETIC ACID	4.1	36		S
ACETIC ACID	6.2	68		L	ACETIC ACID	6.6	160		L
ACETIC ANHYDRIDE	20.0	68		L	ACETONE	21.4	71		L
ACETONE	20.7	77		L	ACETONE	18.7	122		L
ACETONE	17.7	127		L	ACETONE (1.0159)	1.0	32		GA
ACETONITRILE	38.8	68		L	ACETONITRILE	37.5	70		L
ACETOPHENONE	18.3	68		L	ACETOPHENONE	17.3	75		L
ACETOXIME	3.0	75		L	ACETYL ACETONE	23.1	68		L
ACETYL BROMIDE	16.5	68		L	ACETYL CHLORIDE	15.8	68		L
ACETYLENE (1.0217)	1.0	32		GA	ACETYLMETHLY HEXYL KETONE	27.9	66		L
ACRYLIC (PLASTIC)	1.9	75		GR	ACRYLIC RESIN	2.7	75		P
AEROSIL (1.044)(INSULATION)	1.0	75		GR	AIR (DRY) (1.0005)	1.0	68		GA
ALCOX 600	4.1	130		L	ALIPHATIC AMINE	7.2	195		L
ALKYD	3.2	75		L	ALLYL ALCOHOL	22.0	58		L
ALLYL ALCOHOL	21.0	70		L	ALLYL BROMIDE	7.0	66		L
ALLYL CHLORIDE	8.2	68		L	ALLYL IODIDE	6.1	66		L
ALLYL ISOTHIOCYANATE	17.5	64		L	ALLYL RESIN (CAST)	3.6	75		S
ALUMINA	4.5	75		S	ALUMINA	2.5	75		GR
ALUMINA HYDRATE	11.5	75		S	ALUMINUM BROMIDE	3.4	212		L
ALUMINUM CHLORIDE	2.7	75		L	ALUMINUM DIOXIDE	2.2	75		L
ALUMINUM HYDROXIDE	5.4	75		S	ALUMINUM OLEATE	2.4	68		L
ALUMINUM OXIDE	2.0	75		GR	ALUMINUM PHOSPHATE	6.1	75		S
ALUMINUM THIOCYANATE	2.6	75		GR	ALUMINUM TRICHLORIDE	5.3	75		S
AMHYDRITE	3.4	75		GR	AMINOX	2.4	275		L
AMLMERCAPTAN	4.7	68		L	AMLY ACETATE	5.0	68		L
AMLY ALCOHOL	35.5	-180		L	AMLY ALCOHOL	11.2	140		L
AMLY BENZOATE	5.1	68		L	AMLY BROMIDE	6.3	50		L
AMLY CHLORIDE	6.6	52		L	AMLY ETHER	3.1	60		L
AMLY FORMATE	5.7	66		L	AMLY IODIDE	6.9	62		L
AMLY NITRATE	9.1	62		L	AMLY THIOCYANATE	17.4	69		L
AMMONIA	25.0	-104		L	AMMONIA	22.0	-30		L
AMMONIA	22.4	-27		L	AMMONIA	15.5	68		L
AMMONIA	4.1	75		L	AMMONIA	16.9	76		L
AMMONIA (1.0072)	1.0	32		GA	AMMONIUM BROMIDE	7.1	75		S
AMMONIUM CHLORIDE	7.0	75		S	AMONIA PRODUCT	18.9	40		L
AMPS PRODUCT	1.7	75		GR	AMYL ACETATE	5.0	68		L
AMYL ALCOHOL	35.5	-180		L	AMYL ALCOHOL	15.8	68		L
AMYL ALCOHOL	11.2	140		L	AMYL BENZOATE	5.1	68		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
AMYL BROMIDE	6.3	50		L	AMYL CHLORIDE	6.6	52		L
AMYL ETHER	3.1	60		L	AMYL FORMATE	5.7	66		L
AMYL IODIDE	6.9	62		L	AMYL NITRATE	9.1	62		L
AMYL THIOCYANATE	17.4	68		L	AMYLAMINE	4.6	72		L
AMYLENE	2.0	70		L	AMYLENE BROMIDE	5.6	58		L
AMYL MERCAPTAN	4.7	75		L	ANHYDRITE	4.9	75		S
ANILINE	7.8	32		L	ANILINE	7.3	68		L
ANILINE	5.5	212		L	ANILINE FORMALDEHYDE RESIN	3.5	75		P
ANISALDEHYDE	15.8	68		L	ANISALDOXINE	9.2	145		L
ANISOLE	4.3	68		L	ANTIMONY	13.9	347		L
ANTIMONY PENTACHLORIDE	3.2	68		L	ANTIMONY TRIBROMIDE	20.9	212		L
ANTIMONY TRICHLORIDE	33.0	166		L	ANTIMONY TRICODIDE	13.9	347		L
ANTIMONY TRIIODIDE	13.0	350		L	APATITE	7.4	75		S
ARGON, LIQUIFIED	1.5	-376		L	ARSENIC	2.2	75		GR
ARSENIC TRIBROMIDE	9.0	98		L	ARSENIC TRICHLORIDE	12.4	70		L
ARSENIC TRIIODIDE	7.0	302		L	ARSINE	2.5	-148		L
ARSINE	2.7	-58		L	ASBESTOS	4.8	75		S
ASH, CEMENT KILN	12.5	75		GR	ASH, FLY (BOILER)	1.9	80		P
ASH, FLY (BOILER)	1.7	125		P	ASH, SODA	1.6	75		GR
ASH, SODA	3.6	75		GR	ASH, SODA (0.09% H2O)	1.7	75		GR
ASPHALT	2.6	75		S	ASPHALT	3.7	400		L
ATTREX 80 PRODUCT	1.7	75		GR	AZOXYANISOLE	2.3	122		L
AZOXYBENZENE	5.1	104		L	AZOXYPHENITOLE	6.8	302		L
BAKELITE PLASTIC	5.0	75		S	BAKING SODA	1.8	80		P
BALL MILL FEED TO 1" DIA	2.6	75		S	BALL MILL FEED, HI DENSITY	4.5	75		S
BARET STRANDS	1.8	75		GR	BARIUM CHLORIDE (2 H2O)	9.4	75		S
BARIUM CHLORIDE (ANHYDROUS)	11.4	75		S	BARIUM NITRATE	5.9	75		S
BARIUM SULFATE	11.4	60		S	BARLEY MALT	2.6	75		GR
BARLITE ORE	2.7	75		P	BAUXITE	3.0	75		GR
BAY FERROX	1.9	75		GR	BENTONITE	7.5	75		S
BENZAL CHLORIDE	6.9	75		L	BENZALDEHYDE	19.0	32		L
BENZALDEHYDE	17.0	68		L	BENZALDOXIME	3.8	68		L
BENZENE	2.3	77		L	BENZENE	2.1	275		L
BENZENE (1.0028)	1.0	700		GA	BENZIL	13.0	202		L
BENZINE	7.6	75		L	BENZOL CHLORIDE	6.9	68		L
BENZOLDEHYDE	17.8	68		L	BENZONITRILE	26.0	68		L
BENZONITRILE	22.0	160		L	BENZOPHENONE	13.0	68		L
BENZOPHENONE	11.4	122		L	BENZOTRICHLORIDE	7.4	68		L
BENZOYL CHLORIDE	23.0	32		L	BENZOYL CHLORIDE	19.0	75		L
BENZOYLACETONE	3.8	68		L	BENZYL ACETATE	5.0	70		L
BENZYL ALCOHOL	13.0	68		L	BENZYL ALCOHOL	6.6	260		L
BENZYL BENZOATE	4.8	68		L	BENZYL CHLORIDE	6.4	68		L
BENZYL CYANIDE	18.3	68		L	BENZYL SALICYLATE	4.1	68		L
BENZYLAMINE	5.5	32		L	BENZYLAMINE	4.6	68		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
BENZYLAMINE	4.3	120		L	BENZYLETHYLAMINE	4.3	68		L
BENZYLMETHYLAMINE	4.4	67		L	BENZYULAMINE	4.6	68		L
BERYL	6.0	75		S	BISPHENOL	1.9	75		P
BITUMEN FROTH	4.1	75		L	BORIC ACID	11.8	75		P
BORNYL ACETATE	4.6	70		L	BORON BROMIDE	2.6	32		L
BORONYL CHLORIDE	5.2	202		L	BPA (PLASTIC RESIN)	1.3	75		P
BRAN, WHEAT	1.5	75		GR	BROMAL	7.6	70		L
BROMAO-2-ETHOXYPENTANE	6.4	76		L	BROMINE	3.1	68		L
BROMINE (1.0128)	1.0	32		GA	BROMO-2-ETHOXYHEPTANE	6.4	32		L
BROMO-2-ETHOXYHEPTANE	5.5	68		L	BROMOACETYL BROMIDE	12.6	68		L
BROMOANILINE	13.0	66		L	BROMOANILINE, (-M)	13.0	66		L
BROMOANISOLE	7.1	86		L	BROMOBENZENE	5.4	68		L
BROMOBUTANE	7.1	68		L	BROMOBUTYLENE	5.8	68		L
BROMOBUTYRIC ACID	7.2	68		L	BROMOCYCLOHEXANE	7.9	70		L
BROMODECANE	4.4	76		L	BROMODOCOSANE	3.1	130		L
BROMODODECANE	4.1	76		L	BROMOETHANE	9.4	68		L
BROMOFORM	4.4	68		L	BROMOHEPTANE	5.3	76		L
BROMOHEXADECANE	3.7	76		L	BROMOHEXANE	5.8	76		L
BROMOISOVALERIC ACID	6.5	68		L	BROMOMETHANE	9.8	32		L
BROMOMETHYLBUTANE	6.0	68		L	BROMOMETHYLPROPANE	7.2	68		L
BROMONAPHTHALENE	5.1	66		L	BROMONONANE	4.7	68		L
BROMOOCTADECANE	3.5	86		L	BROMOOCTANE	5.0	70		L
BROMOPENTADECANE	3.9	68		L	BROMOPENTANE	6.3	75		L
BROMOPROPANE	8.1	75		L	BROMOPROPENE	7.0	68		L
BROMOPROPIONIC ACID	11.0	68		L	BROMOTETRADECANE	3.8	75		L
BROMOTOLUENE	5.1	68		L	BROMOTOLUENE	4.3	137		L
BROMOTOLUENE, (-M)	5.4	137		L	BROMOTRIDECANE	4.2	50		L
BROMOUNDECANE	4.7	15		L	BTF PRODUCT	6.1	75		L
BUTANE	1.4	30		L	BUTANEDIOL	30.0	80		L
BUTANEDIOL DINITRATE	18.0	68		L	BUTANETHIOL	5.0	75		L
BUTANOL	17.8	68		L	BUTANOL	15.8	75		L
BUTANONE	18.5	68		L	BUTANONE OXIME	3.4	68		L
BUTOXYACETYLENE	6.6	75		L	BUTYL ALCOHOL (150-)	20.0	75		L
BUTYL ALCOHOL (N-)	7.8	75		L	BUTYL BROMIDE (-N)	6.6	68		L
BUTYL CHLORAL	10.0	64		L	BUTYL CHLORIDE	9.6	68		L
BUTYL ETHER	3.1	75		L	BUTYL FORMAT (-N)	2.4	-317		L
BUTYL IODIDE (-N)	6.1	77		L	BUTYL OLEATE	4.0	77		L
BUTYL STEARATE	3.1	80		L	BUTYLACETATE	5.1	66		L
BUTYLACETATE (-N)	5.1	66		L	BUTYLAMINE	5.4	70		L
BUTYLBENZENE	2.4	68		L	BUTYLPHENOL PORA-TERTIARY	3.9	100		L
BUTYRALDEHYDE	13.4	79		L	BUTYRIC ACID	2.8	68		L
BUTYRIC ANHYDRIDE	12.0	68		L	BUTYRONITRILE	20.7	70		L
CABOSIL	1.2	75		GR	CADMIUM OXIDE	1.6	75		GR
CALCITE	8.0	75		S	CALCIUM CARBONATE	2.4	75		GR

Dielectric Constants

MEDIA	Dc	TEMP	F STATE	MEDIA	Dc	TEMP	F STATE
CALCIUM CARBONATE	9.1	75	S	CALCIUM FLORIDE	7.4	75	S
CALCIUM SILICATE	11.2	75	S	CALCIUM SULFATE	2.3	75	P
CALCIUM SULFATE	5.6	75	S	CALCIUM UNDECYLENATE	1.3	75	GR
CAMPHANEDIONE	16.0	398	L	CAMPHENE	2.7	68	L
CAMPHENE	2.3	104	L	CAMPHORIC IMIDE	5.5	480	L
CAMPHORPINACONE	3.6	68	L	CANDY (REESE'S PIECES)	2.1	75	GR
CAPROIC ACID	2.6	160	L	CAPROLACTAM MONOMER	1.7	75	P
CAPROLACTUM	13.1	180	L	CAPRYLIC ACID	3.2	65	L
CARBON BLACK	2.5	75	P	CARBON DIOXIDE (PRESSURIZED)	1.6	32	L
CARBON DIOXIDE 9PRESSURIZED)	1.6	68	L	CARBON DISULPHID	3.0	-166	L
CARBON DISULPHID	2.2	350	L	CARBON DISULPHIDE	2.2	180	L
CARBON DISUPHIDE	2.6	68	L	CARBON TETRACHLORIDE	2.2	68	L
CARVENONE	18.4	68	L	CARVOL	11.2	64	L
CARVONE	11.0	71	L	CASEIN	6.1	75	L
CASSITERITE	23.4	75	S	CEDRENE	3.7	76	L
CELLULOSE (FROM WOOD)	3.9	75	S	CELLULOSE ACETATE	3.6	75	S
CELLULOSE ACETATE (MOLDING)	3.2	75	S	CELLULOSE ACETATE (SHEET)	4.0	75	S
CELLULOSE CETATE BUTYRATE	3.2	75	S	CELLULOSE NITRAE (PROXYLIN)	6.4	75	S
CEMENT-PLASTIC TYPE	1.9	140	P	CEMENT-PORTLAND	2.3	140	P
CEREAL (FLAKE)	3.0	75	GR	CEREAL (FRUIT LOOPS)	1.2	75	GR
CETYL IODIDE	3.3	68	L	CHARCOAL (GROUND)	1.2	75	GR
CHARCOAL (LUMP)	1.6	75	P	CHLOPAL	5.5	59	L
CHLORACETIC ACID	12.3	140	L	CHLORAL	5.5	59	L
CHLORAL	4.9	68	L	CHLORAL	4.2	140	L
CHLORINATED SANITIZER	4.8	75	L	CHLORINE	2.1	-58	L
CHLORINE	2.0	32	L	CHLORINE	1.9	58	L
CHLORINE	1.5	142	L	CHLORO-A, DIHYDROXYPRONE	31.0	68	L
CHLOROACETIC ACID	21.0	68	L	CHLOROACETONE	29.8	68	L
CHLOROANALINE, (-M)	13.4	66	L	CHLOROBENZENE	7.2	-50	L
CHLOROBENZENE	5.9	68	L	CHLOROBENZENE	5.6	77	L
CHLOROBENZENE	4.7	212	L	CHLOROBENZENE	4.1	230	L
CHLOROBUTANE	9.1	-20	L	CHLOROBUTANE	7.4	68	L
CHLOROCYCLOHEXANE	7.6	76	L	CHLORODODECANE	4.2	75	L
CHLORODODECANE	3.9	100	L	CHLOROETHANE	6.2	340	L
CHLOROFORM	5.5	32	L	CHLOROFORM	4.8	68	L
CHLOROFORM	3.7	212	L	CHLOROGANILINE	13.0	65	L
CHLOROHEPTANE	5.5	71	L	CHLOROHEXANONE OXIME	3.0	192	L
CHLOROHYDRATE	3.3	68	S	CHLOROMETHANE	12.6	-35	L
CHLOROMETHYL BUTANE	6.1	65	L	CHLOROMETHYLPROPANE	6.5	45	L
CHLORONAPHTHALENE	5.0	76	L	CHLORONITROBENZENE	8.0	230	L
CHLORO OCTANE	5.1	76	L	CHLORO-OCTANE	5.1	76	L
CHLOROPENTANE	6.6	50	L	CHLOROPHENAL	4.8	32	L
CHLOROPHENAL	6.3	75	L	CHLOROPHENOL	9.5	130	L
CHLOROPHENOL (-O)	8.2	66	L	CHLOROPHETANE	5.4	75	L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
CHLOROTOLUENE	4.5	68		L	CHLOROTOLUENE, (-M)	5.6	68		L
CHLROINE	1.5	287		L	CHOCOLATE	2.3	75		S
CHOLESTRAL	2.9	80		L	CHORINE	1.7	170		L
CHROMYL CHLORIDE	2.6	68		L	CINNAMALDEHYDE	16.9	75		L
CIS-3-HEXANE	2.1	76		L	CITRACONIC ANHYDRIDE	40.3	68		L
CLAY	2.5	25		GR	CLAY	7.4	25		S
CLINKER, CEMENT TO 1" DIA	2.7	75		S	CLINKER, CEMENT, PEA	3.8	75		GR
COAL BITUMINOUS 0% H2O	4.1	400		P	COAL BITUMINOUS 0% H2O	3.2	700		P
COAL BITUMINOUS-0% H2O	7.5	77		P	COCAINE	3.1	75		S
COCOA	1.8	75		GR	COCOA BEANS	2.4	75		S
COFFEE "HIGH POINT"	1.5	75		GR	COFFEE BEANS (ROASTED)	4.4	75		S
COFFEE SOLVENT FOR CAFFINE	6.0	75		L	COKE (FROM COAL)	1.6	75		P
COPPER CATALYST	6.0	75		P	COPPER OLEATE	2.8	68		L
COPRA (DRY, FROM COCONUTS)	7.4	75		S	CORDERITE	4.5	75		S
CORDERITE	2.5	75		P	CORN (GROUND)	2.5	75		GR
CORN COBS	1.8	75		GR	CORN COBS 2% H2O (CRUSHED)	2.0	75		GR
CORN STARCH	3.6	75		GR	CORN, DRY STORAGE	4.6	75		GR
CREOSOL	10.6	62		L	CRESOL	5.0	75		L
CRESOL, (-M)	5.0	75		L	CROTONIC NITRICE	28.0	68		L
CROTONONITRILE	28.0	68		L	CUMALDEHYDE	11.0	59		L
CUMENE	2.4	68		L	CUMICALDEHYDE	10.7	58		L
CUPRIC OLEATE	2.8	75		S	CUPRIC OXIDE	18.1	60		S
CUPRIC SULFATE (5H2O)	7.8	75		S	CUPRIC SULFATE (ANHYD/5H2)	10.3	75		S
CYANOACETIC ACID	33.0	40		L	CYANOETHYL ACETATE	19.3	68		L
CYANOGEN	2.6	73		L	CYCLOHEXADIENE	2.6	-128		L
CYCLOHEXADIONE	4.4	170		L	CYCLOHEXANE	2.0	68		L
CYCLOHEXANECARBOXYLIC ACID	2.6	88		L	CYCLOHEXANEMETHANOL	9.7	140		L
CYCLOHEXANEMETHANOL	8.0	180		L	CYCLOHEXANOL	15.0	77		L
CYCLOHEXANOL	7.2	212		L	CYCLOHEXANOL	4.8	300		L
CYCLOHEXANONE	19.0	-40		L	CYCLOHEXANONE	18.2	68		L
CYCLOHEXANONE OXIME	3.0	192		L	CYCLOHEXENE	2.6	-187		L
CYCLOHEXENE	2.2	75		L	CYCLOHEXLTRIFLUOROMETHANE	11.0	-120		L
CYCLOHEXYLAMINE	5.3	-5		L	CYCLOHEXYLPHENOL	4.0	130		L
CYCLOHEXYLPHENOL	4.4	260		L	CYCLOPENTANE	2.0	68		L
CYCLOPENTANOL	25.0	-40		L	CYCLOPENTANOL	18.0	68		L
CYCLOPENTANONE	16.0	-90		L	CYMENE	2.3	62		L
DECAHYDRONAPHTHALENE	2.2	68		L	DECAMETHYLCYCLOPENTASILOX	2.5	68		L
DECAMETHYLTETRASILOXANE	2.4	68		L	DECANE	2.1	32		L
DECANE	2.0	68		L	DECANE	1.8	340		L
DECANOL	8.1	68		L	DECYLENE (2.7	62		L
DECYNE	2.2	68		L	DEUTERIUM (HEAVY HYDROGEN)	1.3	-454		S
DEUTERIUM OXIDE (HEAVY H2O)	78.3	76		L	DEVRIOL	13.8	200		L
DIACETOXYBUTANE	6.6	76		L	DIACETOXYBUTANE	5.1	120		L
DIACETOXPENTANE	5.2	75		L	DIALLYL SULFIDE	4.9	68		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
DIAMOND	5.5	77		S	DIATOMACEOUS EARTH,	4.0	77		GR
DIATOMACEOUS	2.7	77		GR	DIATOMITE	12.9	77		GR
DIBENZOFURAN	3.0	212		L	DIBENZYL SEBACATE	4.6	68		L
DIBENZYLAMINE	3.6	68		L	DIBROMOBENZENE	8.8	68		L
DIBROMOBENZENE	4.5	190		L	DIBROMOBUTANE	5.8	68		L
DIBROMOETHANE	4.8	75		L	DIBROMOETHANE	4.1	265		L
DIBROMOETHYLENE	2.9	32		L	DIBROMOETHYLENE	2.8	75		L
DIBROMOHEPTANE	5.1	76		L	DIBROMOHEPTANE	3.8	150		L
DIBROMOHEXANE	4.7	76		L	DIBROMOMETHANE	7.8	50		L
DIBROMOPENTANE	4.3	68		L	DIBROMOPENTANE	4.4	75		L
DIBROMOPROPANE	4.3	68		L	DIBROMOPROPL ALCOHOL	9.1	70		L
DIBUTYL PHTHALATE	6.4	86		L	DIBUTYL SEBACATE	4.5	86		L
DIBUTYL TARTRATE	9.4	109		L	DICAPHOR	3.7	75		L
DICHLGRANILINE	18.2	200		L	DICHLORACETIC ACID	8.2	72		L
DICHLORACETIC ACID	7.8	140		L	DICHLORACETONE	14.0	68		L
DICHLORACTIC ACID	10.7	68		L	DICHLORETHANE	5.6	75		L
DICHLOROBENZENE	2.9	75		L	DICHLOROBENZENE	2.4	127		L
DICHLOROBENZENE, (-M)	5.0	77		L	DICHLOROBUTANE	8.9	75		L
DICHLOROETHANE	16.7	68		L	DICHLOROETHANE (1,2)	10.3	77		L
DICHLOROETHYLENE	4.6	62		L	DICHLOROETHYLENE	2.1	75		L
DICHLOROMETHANE	9.1	68		L	DICHLOROMETHYLPROPANE	14.0	-148		L
DICHLOROMETHYLPROPANE	8.7	-4		L	DICHLOROMETHYLPROPANE	7.2	68		L
DI-CHLOROPHENAL	4.8	75		L	DICHLOROPROPANE	8.9	75		L
DICHLOROPROPANOLNITRATE	13.0	68		L	DICHLOROPROPANONE	14.0	68		L
DICHLOROSTYRENE	2.6	76		L	DICHLOROTOLUENE	6.9	68		L
DICYCLOHEXYL ADIPATE	4.8	95		L	DICYCLOPENTADIENE	2.4	100		L
DIEBENZYLAMINE	3.6	68		L	DIETHOXYETHANE	3.8	76		L
DIETHYL 1-MALATE	9.5	68		L	DIETHYL AZELATE	5.1	86		L
DIETHYL BENZALMALONATE	8.0	32		L	DIETHYL BENZALMALONATE	7.6	68		L
DIETHYL BENZALMALONATE	5.9	160		L	DIETHYL CARBONATE	2.8	68		L
DIETHYL DETONE	17.3	58		L	DIETHYL DISULFIDE	15.9	66		L
DIETHYL DL-MALATE	10.2	64		L	DIETHYL GLUTARATE	6.7	86		L
DIETHYL KETONE	17.3	58		L	DIETHYL MALONATE	7.9	70		L
DIETHYL MERCURY	2.3	72		L	DIETHYL OXALATE	8.2	70		L
DIETHYL OXALOACETATE	6.1	66		L	DIETHYL RACEMATE	4.5	68		L
DIETHYL SEBACATE	5.0	86		L	DIETHYL SUCCINATE	6.6	86		L
DIETHYL SUCCINOSUCCINATE	2.5	66		L	DIETHYL SULFIDE	7.2	68		L
DIETHYL SULFITE	15.9	68		L	DIETHYL TARTRATE	4.5	68		L
DIETHYL ZINC	2.5	68		L	DIETHYLAMINE	3.7	68		L
DIETHYLAMINE	3.6	70		L	DIETHYLANILINE	5.5	66		L
DIHYDROCARVONE	8.5	66		L	DIIMYLAMINE	2.5	64		L
DIOAMYLENE	2.4	62		L	DIODOBENZENE	4.2	68		L
DIODOBENZENE	2.8	250		L	DIODOETHYLENE	3.1	180		L
DIODOMETHANE	5.3	76		L	DIISOAMYL	2.0	62		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
DIISOAMYLAMINE	2.5	60		L	DIISOBUTYLAMINE	2.7	71		L
DIMETHOXYBENZENE	4.5	73		L	DIMETHOXYETHANE	3.5	68		L
DIMETHOXYMETHANE	2.7	68		L	DIMETHYL ETHYL CARBINOL	11.7	68		L
DIMETHYL HEPTENE	2.6	68		L	DIMETHYL HEXENE	2.4	68		L
DIMETHYL MALONATE	10.4	68		L	DIMETHYL OXALATE	3.0	68		L
DIMETHYL PHTHALATE	8.5	73		L	DIMETHYL SUCCINATE	5.1	68		L
DIMETHYL SULFATE	55.0	68		L	DIMETHYL SULFIDE	6.3	68		L
DIMETHYL-1-HYDROXYBENZENE	4.8	62		L	DIMETHYL-2-BUTANONE	13.1	293		L
DIMETHYL-2-HEXANE	2.4	68		L	DIMETHYLAMINE	6.3	32		L
DIMETHYLAMINE	5.3	75		L	DIMETHYLANILINE	4.9	68		L
DIMETHYLANILINE	4.4	160		L	DIMETHYLBROMOETHYLENE	6.7	68		L
DIMETHYLBUTADIENE	2.1	75		L	DIMETHYLEYCLOHEXYLOMINE	4.4	180		L
DIMETHYLGUINOXALINE	2.3	76		L	DIMETHYLHEPTANE	1.9	68		L
DIMETHYLOCTANE	2.0	68		L	DIMETHYLPENTANE	1.9	68		L
DIMETHYLPYRAZINE	2.4	68		L	DIMETHYLQUINOXALINE	2.3	76		L
DIMETHYLTOLUIDINE	3.3	68		L	DINITRO BENZENE, (-M)	2.8	68		L
DINITROGEN OXIDE	2.0	-130		L	DINITROGEN OXIDE	1.6	32		L
DINITROGEN TETROXIDE	2.5	58		L	DIOCTYL PHTHALATE	5.1	76		L
DIOCTYL SEBACATE	4.0	78		L	DIOXANE	2.2	75		L
DIPALMITIN	3.5	161		L	DIPENTENE	2.3	68		L
DIPHEMYLETHANE	2.4	230		L	DIPHENYL	2.5	166		L
DIPHENYL ETHER	3.9	82		L	DIPHENYLAMINE	3.3	125		L
DIPHENYLETHANE	2.7	75		S	DIPHENYLETHANE	2.4	230		L
DIPHENYTMETHANE	2.6	62		L	DIPROPYL KETONE	12.6	62		L
DIPROPYLAMINE	2.9	70		L	DISTEARIN	3.3	172		L
DMT PRODUCT	1.6	75		L	DOCOSANE	2.0	122		L
DOCOSANOL	3.0	160		L	DODECAMETHYLCYCLOHEXISLOX	2.6	68		L
DODECAMETHYLPENTASILOXANE	2.5	68		L	DODECANE	2.0	14		L
DODECANE	2.0	68		L	DODECANE	1.8	410		L
DODECANOL	6.5	76		L	DODECYNE	2.2	76		L
DOLOMITE	6.8	75		S	DOWTHERM FLUID	3.4	70		L
DUST, FLUE (METALS MILL)	2.0	75		GR	DUST, FUME (SMELTER)	1.8	75		GR
DUST, FURNAACE (HEAT TREAT)	2.1	75		GR	EPICHLORIHYDRIN	22.7	68		L
EPON 100Z (RESIN) (CRYSTALS)	2.1	75		GR	EPON RESIN	13.3	75		L
EPOXY (CAST)	2.0	75		S	EPOXY RESIN	6.2	75		L
ERYTHRITOL	22.0	250		L	ETHANEDIAMINE	14.2	68		L
ETHANETHIOL	6.9	58		L	ETHANETHIOLIC ACID	13.0	68		L
ETHANOL	41.0	-76		L	ETHANOL	24.3	77		L
ETHLENE CYANIDE	58.3	136		L	ETHLTOLUENE	2.2	76		L
ETHOXYACETYLENE	8.1	75		L	ETHOXYBENZENE	4.2	68		L
ETHOXYETHYL ACETATE	7.6	86		L	ETHOXYMETHYL BUTANE	4.0	68		L
ETHOXYNAPHTHALENE	3.3	66		L	ETHOXPENTANE	3.6	73		L
ETHOXYTOLUENE	3.9	68		L	ETHTL CELLULOSE	2.8	75		S
ETHYL 1-BROMBUTYRATE	8.0	68		L	ETHYL 2-IODOPROPIONATE	8.8	68		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
ETHYL ACETATE	6.4	68		L	ETHYL ACETATE	6.0	75		L
ETHYL ACETATE	5.3	170		L	ETHYL ACETOACETATE	15.9	71		L
ETHYL ACETONEOXALATE	16.1	66		L	ETHYL ACETOPHENONEOXALATE	3.3	66		L
ETHYL ACRYLATE	11.7	125		L	ETHYL ALCOHOL	41.0	-76		L
ETHYL ALCOHOL	24.3	77		L	ETHYL AMYL ETHER	4.0	68		L
ETHYL BENZENE	2.5	68		L	ETHYL BENZOATE	6.0	68		L
ETHYL BENZOYLACETATE	12.8	68		L	ETHYL BENZOYLACETOACETATE	8.6	70		L
ETHYL BENZYL ETHER	8.6	68		L	ETHYL BROMIDE	4.9	64		L
ETHYL BROMISOBUTYRATE	7.9	68		L	ETHYL BROMOPROPIONATE	10.0	34		L
ETHYL BROMOPROPIONATE	9.4	68		L	ETHYL BUTYRATE	5.1	68		L
ETHYL CARBONATE	3.1	68		L	ETHYL CHLORACETATE	11.6	68		L
ETHYL CHLOROCROTONATE	4.7	65		L	ETHYL CHLOROFORMATE	11.3	68		L
ETHYL CHLOROPROPIONATE	10.1	68		L	ETHYL CINNAMATE	5.3	66		L
ETHYL CROTONATE	5.4	68		L	ETHYL CYANOACETATE	27.0	68		L
ETHYL CYCLOBUTANE	2.0	68		L	ETHYL DICHOROACETATE	11.0	34		L
ETHYL DICHOROACETATE	10.0	70		L	ETHYL DODECANOATE	3.4	68		L
ETHYL ETHER	8.1	-148		L	ETHYL ETHER	5.7	-40		L
ETHYL ETHER	4.3	68		L	ETHYL ETHOXYBENZOATE	7.1	70		L
ETHYL FORMATE	8.4	66		L	ETHYL FORMYLPHENLACETATE	3.0	68		L
ETHYL FUMARATE	6.5	73		L	ETHYL HEPTENE	2.4	75		L
ETHYL HEXANOL	7.2	75		L	ETHYL HYDROXYMETHYLENEACE	7.8	70		L
ETHYL HYDROXYMETHYLENEMAL	6.6	72		L	ETHYL HYDROXYMETHYLENEPHE	5.0	68		L
ETHYL IODIDE	7.4	68		L	ETHYL ISOTHIOCYANATE	19.7	68		L
ETHYL LEVULINATE	12.1	70		L	ETHYL MALEATE	8.5	73		L
ETHYL MERCAPTAN	8.0	68		L	ETHYL NITRATE	19.7	68		L
ETHYL OLEATE	3.2	82		L	ETHYL OLEATE	2.6	300		L
ETHYL PALMITATE	3.2	68		L	ETHYL PHENYLACETATE	5.4	70		L
ETHYL PROPIONATE	5.7	68		L	ETHYL SALICYLATE	8.6	70		L
ETHYL SILICATE	4.1	68		L	ETHYL STEARATE	3.0	104		L
ETHYL STEARATE	2.7	212		L	ETHYL STEARATE	2.5	335		L
ETHYL SULFATE	29.0	68		L	ETHYL SULFIDE	5.7	75		L
ETHYL SULFIDE	5.2	120		L	ETHYL SULFITE	17.0	32		L
ETHYL SULFITE	15.0	68		L	ETHYL SULFITE	13.0	120		L
ETHYL THIOCYANATE	34.0	38		L	ETHYL THIOCYANATE	29.0	68		L
ETHYL TRICHLOROACETATE	7.8	68		L	ETHYL UNDECANOATE	3.6	68		L
ETHYL VALERATE	4.7	68		L	ETHYLAMINE	6.3	70		L
ETHYLANILINE	5.9	68		L	ETHYLBENZENE	3.0	76		L
ETHYLCYCLOPROPANE	1.9	75		L	ETHYLENE CHLORIDE	10.5	68		L
ETHYLENE CHLOROHYDRIN	25.0	75		L	ETHYLENE CYANIDE	58.3	136		L
ETHYLENE DIAMINE	16.0	64		L	ETHYLENE DICHLORIDE	11.0	75		L
ETHYLENE GLYCOL	37.0	68		L	ETHYLENE NITRATE	28.0	68		L
ETHYLENE OXIDE	14.0	25		L	ETHYLENE OXIDE	13.9	30		L
ETHYLPENTANE	1.9	68		L	ETHYNYLBENZENE	3.0	76		L
ETIBINE	2.5	-58		L	EUGENOL	6.1	64		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
FATS, ANIMAL	2.0	75		L	FENCHONE	12.0	68		L
FERMANIUM TETRACHLORIDE	2.4	76		L	FERRIC OLEATE	2.6	68		L
FERRIC OXIDE	13.1	75		L	FERROUS OXIDE	14.2	60		S
FERROUS SULFATE	14.2	58		L	FLEXOL A(PRODUCT)	3.5	75		L
FLOROSIL (RESIDUE)	25.5	75		GR	FLOUR, BARLEY	3.0	75		P
FLOUR, WHEAT (2% H2O)	4.0	75		P	FLOUR, WHEAT (DRY)	3.0	75		P
FLOURINE (LIQUIFIED)	1.5	-322		L	FLURO METHYLBUTANE	5.9	68		L
FLUOROBENZENE	5.4	75		L	FLUOROBENZENE	4.8	140		L
FLUOROPENTANE	4.2	68		L	FLUOROTOLUENE	4.2	86		L
FLUOROTOLUENE	3.9	140		L	FORMALDEHYDE	2.5	75		L
FORMAMIDE	84.0	68		L	FORMIC ACID	58.5	60		L
FORMICA PRODUCT	1.3	75		S	FORSTERITE	6.2	75		S
FREON 11	3.1	70		L	FREON 113	2.6	70		L
FREON 12	2.4	70		L	FULLER'S EARTH	1.8	75		P
FURAN	2.9	76		L	FURFURAL	46.0	32		L
FURFURAL	41.0	68		L	FURFURAL	34.0	120		L
FURFURALDEHYDE	41.9	68		L	GASOLINE, FUEL	2.1	75		L
GERMANIUM TETRACHLORIDE	2.4	75		S	GLASS, BOROSILICATE	4.8	75		S
GLASS, BUBBLES	1.8	75		S	GLASS, CORNING	6.5	70		S
GLASS, GROUND	3.3	75		GR	GLASS, MOLDING (BOTTLES)	3.7	75		S
GLASS, PYREX	4.3	75		S	GLASS, SILICA (WINDOW)	3.7	75		S
GLASS, VYCOR	3.8	75		S	GLASS,CULLET	2.5	75		S
GLUCOHEPTITOL	27.0	248		L	GLUE (ANIMAL) 3.6% H2O	2.6	75		L
GLYCERIN	47.0	68		L	GLYCERIN	50.0	150		L
GLYCERIN	34.0	220		L	GLYCEROL	47.2	32		L
GLYCEROL	43.0	68		L	GLYCEROL	42.5	77		L
GLYCEROL PHTHALATE (CAST)	3.7	75		S	GLYCERWE	3.9	75		L
GLYCERYL TRIO CETATE	6.0	70		L	GLYCOL	41.2	68		L
GLYCOL	37.0	77		L	GLYCOL	35.6	122		L
GLYCOLIC NITRITE	27.0	68		L	GLYCOLONITRILE	68.0	68		L
GRAIN (SPORGHUM)	5.4	75		GR	GRAIN ALCOHOL	41.0	-76		L
GRAIN ALCOHOL	24.3	77		L	GRANITE	3.3	75		S
GRAPHITE	36.5	75		S	GUAIACOL	11.0	0		L
GUAR (TREE GUM)	3.5	75		S	GYP SUM	2.8	75		S
GYP SUM (3.5% H2O)	5.4	75		S	HAGEMANIIE ESTER	10.6	68		L
HELIUM (1.055)	1.1	-358		GA	HEPTADECANONE	5.3	140		L
HEPTALDEHYDE	9.1	70		L	HEPTANE	2.1	-130		L
HEPTANE	1.9	68		L	HEPTANOIC ACID	2.6	160		L
HEPTANOL	6.1	70		L	HEPTANONE	11.9	68		L
HEPTENE	2.1	68		L	HEPTYL ALCOHOL	6.7	70		L
HERBICIDE (MONSANTO)	1.9	75		P	HEXACHLOROBUTADIENE	2.6	75		L
HEXACHLOROCYCLOHEXANE	4.7	310		L	HEXADECAMETHYLCYCLOOCTASI	2.7	68		L
HEXADECANOL	3.8	120		L	HEXADIENE	2.2	75		L
HEXAMETHYLDISILAXANE	2.2	68		L	HEXAMETHYLENE DIAMINE	3.9	90		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
HEXAMTHYLENE	14.1	75		L	HEXANE	3.2	-200		L
HEXANE	1.9	68		L	HEXANETHYLDISILAXANE	2.2	75		L
HEXANOL	13.3	76		L	HEXANOL ALUM. ALKOXIDE (-N)	4.3	170		L
HEXANONE	14.6	59		L	HEXDECAMETHYLCYCLOHEPTASI	2.7	68		L
HEXENE	2.0	75		L	HEXOECANETHYLCYCLOHEPTASI	2.7	68		L
HEXYL IODIDE	6.6	68		L	HEXYLENE	2.0	62		L
HOMOPOLYMER	2.3	75		L	HYDRAZINE	52.0	68		L
HYDROCYANIC ACID	2.3	70		L	HYDROFLUORIC ACID	84.0	32		L
HYDROGEN (1.0002)	1.0	212		GA	HYDROGEN BROMIDE	7.0	-120		L
HYDROGEN BROMIDE	3.8	76		L	HYDROGEN CHLORIDE	12.0	-188		L
HYDROGEN CHLORIDE	6.4	5		L	HYDROGEN CHLORIDE	4.6	82		L
HYDROGEN CYANIDE	95.4	70		L	HYDROGEN FLUORIDE	17.0	-100		L
HYDROGEN IODIDE	3.4	-60		L	HYDROGEN IODIDE	2.9	72		L
HYDROGEN PEROXIDE	84.2	32		L	HYDROGEN SULFIDE	9.3	-120		L
HYDROGEN SULFIDE	5.8	48		L	HYDROXY-4-METHY-2-PENTANONE	18.2	76		L
HYDROXYETHYL ACETATE	13.0	85		L	HYDROXYMETHYLENE CAMPHOR	5.2	86		L
HYDROXYMETHYLENEBENZYL	6.0	68		L	HYDROZINE	52.9	68		L
IDOBUTANE	8.9	-110		L	IDO-IODOHEXADECANE	3.5	68		L
ILMENITE	6.0	75		P	INDANOL	7.8	140		L
INDIGO (DYE)	1.7	75		S	INK, BLACK, PERMANENT	4.0	32		L
INK, PRINTING	3.1	75		L	INK, PRINTING	2.5	240		L
IODETHANE	7.8	68		L	IODINE (CRYSTALS)	4.0	75		S
IODINE (MELTED)	118.	224		L	IODIOCTANE	4.6	75		L
IODOBENZENE	4.6	68		L	IODOBUTANE	6.2	68		L
IODOBUTANE	4.5	266		L	IODODODECANE	3.9	68		L
IDOENTANE	5.8	68		L	IDOETHANE	10.2	-60		L
IDOHEPTANE	4.9	70		L	IDOHEXADECANE	3.5	68		L
IDOHEXANE	5.4	68		L	IODOMETHANE	7.0	68		L
IODOMETHYLBUTANE	5.6	68		L	IODOMETHYLPROPANE	6.5	68		L
IODOOCTANE	4.6	72		L	IODOPROPANE	7.0	68		L
IODOPROPENE	6.1	66		L	IODOTOLUENE	6.1	68		L
IODPOCTANE	4.6	76		L	IONONE	10.0	68		L
IONONE	11.0	75		L	IRON ORE	5.2	75		S
IRON ORE 2% H2O	10.2	75		S	IRON OXIDE	2.3	75		GR
IRON PENTACARBONYL	2.6	68		L	ISOAMYL ACETATE	4.6	85		L
ISOAMYL ALCOHOL	15.3	74		L	ISOAMYL BROMIDE	6.1	76		L
ISOAMYL BUTYRATE	3.9	68		L	ISOAMYL CHLORACETATE	7.8	68		L
ISOAMYL CHLORIDE	6.4	64		L	ISOAMYL CHLOROFORMATE	7.8	68		L
ISOAMYL ETHER	2.8	68		L	ISOAMYL IODIDE	5.6	65		L
ISOAMYL PROPIONATE	4.2	68		L	ISOAMYL SALICYLATE	5.4	68		L
ISOAMYL VALERATE	3.6	66		L	ISOBUTYL ACETATE	5.6	68		L
ISOBUTYL ALCOHOL	20.5	32		L	ISOBUTYL ALCOHOL	18.7	68		L
ISOBUTYL BENZOATE	5.9	68		L	ISOBUTYL BROMIDE	6.6	68		L
ISOBUTYL BUTYRATE	4.0	68		L	ISOBUTYL CHLORIDE	7.1	68		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
ISOBUTYL CHLOROFORMAE	9.2	68		L	ISOBUTYL CYANIDE	13.3	74		L
ISOBUTYL FORMATE	6.5	60		L	ISOBUTYL IODIDE	5.8	68		L
ISOBUTYL NITRATE	11.9	66		L	ISOBUTYL RINOLEATL	4.7	70		L
ISOBUTYL VALERATE	3.8	66		L	ISOBUTYLAMINE	4.5	70		L
ISOBUTYLAMINE	4.5	70		L	ISOBUTYLENE BROMIDE	4.0	68		L
ISOBUTYRIC ACID	2.6	68		L	ISOBUTYRIC ANHYDRIDE	13.9	68		L
ISOBUTYRONITRILE	20.8	75		L	ISOBUTYRONITRILE	20.8	75		L
ISOBUTYVENZENE	2.3	62		L	ISOCAPRONITRILE	15.7	68		L
ISODECANOL	6.2	75		L	ISONATE	6.4	75		L
ISOPRENE	2.1	77		L	ISOPROPHYL ETHER	4.6	75		L
ISOPROPYL ALCOHOL	18.3	68		L	ISOPROPYL ETHER	3.9	75		L
ISOPROPYL NITRATE	11.5	66		L	ISOPROPYLAMINE	5.5	68		L
ISOPROPYLBENZENE	2.4	68		L	ISOPROPYLETHER	3.9	77		L
ISOPROPYNOL POLYOL	11.6	75		L	ISOQUINOLINE	10.7	76		L
ISOSAFROL	3.4	70		L	ISOVALERIC ACID	2.7	68		L
ISOVALERONITRILE	18.0	72		L	JET FUEL (MILITARY-JP4)	1.7	70		L
KEROSENE (COMMERCIAL)	1.8	70		L	KRATION	1.3	75		GR
KYNAR (PUDF), PLASTIC	2.0	75		S	LACTIC ACID	19.4	66		L
LACTONITRILE	38.4	68		L	LEAD ACETATE	2.5	75		S
LEAD CARBONATE	18.1	60		S	LEAD CHLORIDE	4.2	75		S
LEAD NITRATE	37.7	75		S	LEAD NOMOXIDE	25.9	60		S
LEAD OLEATE	3.2	64		L	LEAD OXIDE	3.6	75		GR
LEAD OXIDE	25.9	75		S	LEAD SULFATE	14.3	75		S
LEAD SULFIDE	17.9	75		S	LEAD TETRACHLORIDE	2.8	68		L
LIME	10.9	75		S	LIME	2.6	75		P
LIME (REBURNED)	2.2	75		GR	LIME 1% H2O	4.2	75		P
LIME 2% H2O	7.7	75		P	LIMESTONE	9.0	75		S
LIMESTONE .6% H2O	2.8	75		P	LIMESTONE 2% H2O	2.3	75		P
LIMONENE	2.3	68		L	LINOLEIC ACID	2.9	32		L
LITHIUM CHLORIDE	11.1	75		S	LONGNE	10.0	65		L
MAALONIC NITRILE	47.0	97		L	MAGNESIUM OXIDE	9.7	75		S
MAGNESIUM SULFATE (0.4% H2O)	2.2	75		P	MAGNESIUM OXIDE	2.4	75		GR
MALACHITE	7.2	75		S	MALEIC ANHYDRIDE	51.0	140		L
MALONONTRILE	46.0	98		L	MANDELIC NITRILE	18.1	73		L
MANDELONITRILE	17.0	72		L	MANDENITRILE	17.0	73		L
MANNITOL	3.0	71		L	MARGARINE	2.9	75		L
MELAMINE FORMALDEHYDE	5.5	75		L	MENTHOL	4.0	107		L
MENTHONE	11.0	-30		L	MENTHONE	8.8	65		L
MENTHONOL	2.1	110		L	MERCURIC CHLORIDE	3.2	75		S
MERCUROUS CHLORIDE	9.4	75		S	MERCURY (1.0007)	1.0	298		GA
MERCURY DIETHYL	2.3	68		L	MESITYL OXIDE	15.4	68		L
MESITYLENE	2.4	68		L	METHAL CYANOACETATE	29.4	69		L
METHANE (LIQ. NATURAL GAS)	1.7	-280		L	METHANOL	56.6	-112		L
METHANOL	37.5	32		L	METHANOL	33.1	68		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
METHELENE CHLORIDE	8.4	40		L	METHOXY-4-METHYLPHENOL	11.0	60		L
METHOXYBENZALDEHYDE	22.0	70		L	METHOXYBENZALDEHYDE	10.4	425		L
METHOXYBENZENE	4.3	76		L	METHOXYETHOANOL	16.0	85		L
METHOXYETHYL STEARATE	3.4	140		L	METHOXYPHENOL	11.0	82		L
METHOXYTOLUENE	3.5	68		L	METHYL 5 KETOCYCLOHEXYLENE	24.0	68		L
METHYL ACETATE	7.3	68		L	METHYL	2.8	64		L
METHYL ALCOHOL	56.6	-112		L	METHYL ALCOHOL	37.5	32		L
METHYL ALCOHOL	33.1	68		L	METHYL BENZOATE	6.6	68		L
METHYL BUTYL KETONE	12.4	62		L	METHYL BUTYRATE	5.6	68		L
METHYL CHLOROACETATE	12.9	68		L	METHYL CYANOACETATE	28.0	68		L
METHYL ETHER	5.0	78		L	METHYL ETHER	3.0	230		L
METHYL ETHYL KETONE	18.4	72		L	METHYL ETHYL KETOXIME	3.4	68		L
METHYL FORMATE	8.5	68		L	METHYL HEPTANOL	10.3	-4		L
METHYL HEPTANOL	6.3	68		L	METHYL HEPTENE	2.4	68		L
METHYL HEXANE	1.9	68		L	METHYL HEXENE	2.9	68		L
METHYL IODIDE	7.1	68		L	METHYL ISOPROPYLBENZENE	2.2	68		L
METHYL ISOTHIOCYANATE	19.0	85		L	METHYL KEXYL KETONE	10.7	62		L
METHYL MERCAPTAIN	7.6	35		L	METHYL METHACRYLATE RESIN	2.7	75		L
METHYL METHOXYBENZOATE	4.3	80		L	METHYL NITRATE	23.0	65		L
METHYL NITROBENZOATE	27.0	80		L	METHYL NONENE	2.1	68		L
METHYL OHLOROACETATE	12.9	68		L	METHYL O-METHOXYBENZOATE	7.8	70		L
METHYL PENTADIENE	3.2	-100		L	METHYL PENTADIENE	2.8	-13		L
METHYL PENTADIENE	2.4	75		L	METHYL PHENYL HYDRAZIN	7.3	66		L
METHYL PROPANOL	26.0	-30		L	METHYL PROPANOL	17.7	75		L
METHYL PROPANOL	10.9	85		L	METHYL PROPANOL	8.5	120		L
METHYL PROPIONATE	5.4	66		L	METHYL PROPYL KETONE	16.8	58		L
METHYL P-TOLUATE	4.3	91		L	METHYL SALICYLATE	9.0	68		L
METHYL SULFIDE	6.2	68		L	METHYL THIOCYANATE	35.9	68		L
METHYL VALERATE	4.3	66		L	METHYL-1- CYCLOPENTANOL	6.9	95		L
METHYL-1-PROPANOL	17.7	77		L	METHYL-2,4-PENTANEDIOL	24.4	86		L
METHYL-2-PENTANONE	18.8	-75		L	METHYL-2-PENTANONE	13.1	68		L
METHYL-4-TERT-BUTYBENZENE	2.3	68		L	METHYLAL	2.7	68		L
METHYLAMINE	10.5	70		L	METHYLAMINE	9.4	77		L
METHYLANILINE	6.0	68		L	METHYLANILINE (-N)	6.0	68		L
METHYLBENZYLAMINE	4.4	65		L	METHYLBUTADIENE	2.1	75		L
METHYLBUTANE	1.8	68		L	METHYLBUTANOL	5.8	75		L
METHYLBUTENE	2.2	68		L	METHYLCYCLOHEXANE	2.3	-200		L
METHYLCYCLOHEXANE	2.0	68		L	METHYLCYCLOHEXANOL	13.0	68		L
METHYLCYCLOHEXANONE	13.0	68		L	METHYLCYCLOPENTANE	2.0	68		L
METHYLENE IODIDE	5.1	70		L	METHYLHEXANE	1.9	77		L
METHYLNAPHTHALENE	2.7	68		L	METHYLOCTANE	2.0	69		L
METHYLPHENYL HYDRAZIN	7.3	66		L	METHYLPYRIDINE	9.8	68		L
METHYL-S KETOCYCLOHEXYLENE	24.0	68		L	METHYLSULFATE	60.0	-30		L
METHYLSULFATE	48.0	30		L	METHYLSULFATE	42.0	68		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
METILOX (PRODUCT)	4.5	160		L	MICA	7.0	75		S
MILK, DRY	1.9	75		P	MISCELLA	3.0	75		L
MOCA	8.8	75		L	MOLD COMPOUND, COLD,	6.0	75		GR
MONOCHLORETHANE	10.0	75		L	MONOMYRISTIN	6.1	158		L
MONOPALMITIM	5.1	176		L	MONOPALMITIN	5.3	152		L
MONOSTEARIN	4.9	170		L	MORPHOLINE	7.3	75		L
NALKYLENE	2.1	75		L	NANENE	2.0	50		L
NAPHTHALENE	2.5	75		S	NAPHTHOLENE	2.5	75		L
NAPHTHYL ETHYL ETHER	3.2	67		L	NAPHTHA (REFINERY CUT)	2.0	75		L
NAPHTHALENE	2.5	68		L	NAPHTHALENE	2.3	185		L
NAPHTHONITRILE	6.4	70		L	NAPHTHONITRILE	16.0	160		L
NEON (1.0001)	1.0	68		GA	NIBROBENZENE	35.7	68		L
NITROANILINE	34.0	194		L	NITROANILINE	56.0	320		L
NITROANISOLE	24.0	68		L	NITROBENZAL DOXIME	48.1	248		L
NITROBENZENE	36.1	68		L	NITROBENZENE	34.9	77		L
NITROBENZENE	26.3	176		L	NITROBENZYL ALCOHOL	22.0	68		L
NITROETHANE	19.7	68		L	NITROETHANE	28.0	85		L
NITROGEN (LIQUIFIED)	1.5	336		L	NITROGLYCERIN	19.0	68		L
NITROMETHANE	39.4	68		L	NITROPHENOL	17.0	120		L
NITROPROPANE	23.2	85		L	NITROSODIMETHYLAMINE	54.0	68		L
NITROSYL BROMIDE	13.4	4		L	NITROSYL CHLORIDE	18.2	10		L
NITROTOLUENE	25.0	68		L	NITROTOLUENE	22.2	137		L
NITROTOLUENE, (-M)	23.8	68		L	NITROUS OXIDE	1.6	32		L
NONANE	2.1	-60		L	NONANE	2.0	68		L
NONANE	1.8	230		L	NYLON (PLASTIC)	2.0	75		S
NYLON MOLTOEN (0.14% H2O)	1.9	75		L	NYLON PELLETS	1.1	75		GR
OCTADECANOL	3.4	136		L	OCTAMETHYLCYCLOTETRAILO	2.4	68		L
OCTAMETHYLCYCLOTETRASIOXA	2.4	68		L	OCTAMETHYLTRISIOXANE	2.3	68		L
OCTANE	1.9	160		L	OCTANE	1.8	230		L
OCTANE (1.95)	1.9	68		L	OCTANOL	5.1	68		L
OCTANONE	12.5	-4		L	OCTANONE	10.3	68		L
OCTANONE	7.4	212		L	OCTENE	2.0	75		L
OCTYL ALCOHOL	3.4	64		L	OCTYL IODIDE	4.9	68		L
OCTYLENE	4.1	65		L	OIL, ALMOND	2.8	68		L
OIL, CABLE	2.2	80		L	OIL, CASTOL	4.7	60		L
OIL, CASTOL HYDROGENATED	10.3	80		L	OIL, CASTOR	2.6	80		L
OIL, COTTON SEED	2.7	57		L	OIL, CRISCO COOKING	2.2	130		L
OIL, FUEL (#2)	2.7	75		L	OIL, GRAPSEED	2.9	60		L
OIL, LEMON	2.3	70		L	OIL, LINSEED	3.4	55		L
OIL, MINERAL	2.1	80		L	OIL, MINERAL	1.6	170		L
OIL, MOTOR 10W40 AND SAE30	2.2	75		L	OIL, PARAFFIN	2.2	68		L
OIL, PEANUT	3.0	52		L	OIL, PEANUT	3.1	68		L
OIL, PEANUT	3.5	110		L	OIL, PETROLEUM	2.1	68		L
OIL, PETROLEUM	2.0	75		L	OIL, PYRANOL	5.3	68		L

Dielectric Constants

MEDIA	Dc	TEMP	F STATE	MEDIA	Dc	TEMP	F STATE
OIL, SAFROL	3.1	70	L	OIL, SALAD, VEGTABLE	3.0	75	L
OIL, SESAME	3.0	55	L	OIL, SILICON	2.7	75	L
OIL, SOYBEAN	3.0	75	L	OIL, SPERM	3.2	68	L
OIL, TRANSFORMER	2.2	68	L	OIL, TRANSMISSION	2.2	80	L
OIL, TURPENTINE	2.2	68	L	OIL, VEGTABLE	4.0	100	L
OIL, VEGTABLE	3.3	230	L	OIL, OLIVE	3.1	68	L
OLEIC ACID	2.5	68	L	OLEIC ACID	2.5	68	L
OXALYL CHLORIDE	3.5	70	L	OXYGEN	1.5	-315	L
OXYLENE	2.6	68	L	PALM OIL STABILIZER (PRODUCT)	3.0	75	L
PALMITIC ACID	2.3	160	L	PAPER, WOOD, DRY	2.0	75	S
PARA NONYL PHENOL (PNP)	5.2	20	L	PARA NONYL PHENOL (PNP)	4.3	50	L
PARAFORMALDAHYDE	3.8	75	S	PARAFORMALIDE	2.8	75	L
PARALDEHYDE	14.5	68	L	PARATERTIARY BUTYL PHENOL	3.8	78	L
PARATERTIARY OCTYL PHENOL	4.4	100	L	PCBT	3.1	75	L
PEANUTS (FRESH)	27.4	75	GR	PEANUTS (ROASTED)	2.0	75	GR
PENTACHLOROETHANE	3.7	60	L	PENTACHLOROPHE #1	4.1	75	L
PENTADIENE	2.3	75	L	PENTAERYHRITOL	2.0	75	L
PENTANE	2.0	-130	L	PENTANE	1.8	68	L
PENTANEDIONE	25.0	68	L	PENTANETHIOL	4.6	75	L
PENTANETHIOL	4.2	120	L	PENTANOL	13.9	75	L
PENTANONE	22.0	-75	L	PENTANONE	15.4	68	L
PENTANONE OXIME	3.3	68	L	PENTENE	2.1	68	L
PERLITE (INSULATION)	1.2	75	S	PERMANGENATE	3.0	75	GR
PHENANTHIENE	2.8	68	L	PHENANTHRENE	2.8	68	S
PHENANTHRENE	2.7	230	L	PHENETOLE	4.5	70	L
PHENOL	4.3	50	S	PHENOL ETHER	9.8	85	L
PHENOL FORMALDEHYDE RESIN	4.5	75	S	PHENOL ISOBUTHYL	14.9	75	L
PHENOLIC RESIN	1.5	75	GR	PHENOXYACETYLENE	4.8	76	L
PHENTIDINE	7.3	70	L	PHENYL ACETATE	6.9	68	L
PHENYL ETHER	3.7	85	L	PHENYL ISOCYANATE	8.9	68	L
PHENYL ISO-THIOCYANATE	10.7	68	L	PHENYL PROPANONE	15.0	60	L
PHENYL PROPENE	2.2	68	L	PHENYL-1-PROPANE	2.7	68	L
PHENYLACETALDEHYDE	4.8	68	L	PHENYLACETIC	3.0	68	L
PHENYLACETONITRILE	18.0	80	L	PHENYLACETONITRILE	8.5	450	L
PHENYLETHANOL	13.0	68	L	PHENYLETHANOL	9.0	110	L
PHENYLETHANOL	7.6	200	L	PHENYLETHYL ACETATE	4.5	58	L
PHENYLHYDRAZINE	7.2	72	L	PHENYLSALICYLATE	6.3	120	L
PHEONOL	4.3	50	S	PHOSGENE	4.7	32	L
PHOSGENE	4.3	70	L	PHOSPHATE ROCK (GROUND)	4.2	75	P
PHOSPHATE ROCK, (PEBBLE SIZE)	5.4	75	GR	PHOSPHINE	2.5	-76	L
PHOSPHONYL CHLORIDE	13.3	70	L	PHOSPHOROUS (RAW)	3.4	75	GR
PHOSPHOROUS (RAW) (RED)	4.1	75	S	PHOSPHOROUS (RAW) (YELLOW)	3.6	75	S
PHOSPHOROUS OXYCHLORIDE	14.0	72	L	PHOSPHORUS PENTACHLORIDE	2.8	320	L
PHOSPHORUS RIBROMIDE	3.9	68	L	PHOSPHORUS TRICHLORIDE	3.7	64	L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
PHOSPHORUS TRICHLORIDE	3.4	77		L	PHOSPHORUS TRIIODIDE	4.1	150		L
PHOSPHORYL CHLORIDE	13.0	70		L	PHOTO-RESIST (CIRCUIT BOARDS)	2.4	75		L
PHTHALIDE	36.0	166		L	PINACOLIN	12.8	62		L
PINACONE	7.4	75		L	PINENE	2.7	70		L
PIPERDINE	5.9	68		L	PITCH (LESS THAN 1% H2O) (FINE)	4.3	75		GR
PLASTER	2.5	75		P	PLATINUM CATALYST	6.5	75		P
POLYACRYLIC ESTER PLASTIC	3.5	75		S	POLYCAPROLACTAN PLASTIC	2.0	75		S
POLYCARBONATE (PLASTIC	1.9	75		GR	POLYCARBONATE PLASTIC	2.1	75		S
POLYCARBONATE RESIN	1.2	75		L	POLYESTER (PLASTIC CHIPS)	1.9	75		GR
POLYESTER (PLASTIC FLAKES)	2.0	75		GR	POLYESTER (PLASTICS POWDER)	1.4	75		P
POLYESTER RESIN	2.8	75		P	POLYESTER RESIN	5.5	75		L
POLYESTER RESIN (FLEXIBLE)	4.1	75		S	POLYESTER RESIN (GLASS FIBER	4.0	75		S
POLYESTER RESIN (RIDGID CAST)	2.8	75		S	POLYETHLENE (PLASTIC CHIPS)	1.6	120		GR
POLYETHLENE (PLASTIC FLUFF)	1.5	75		GR	POLYETHYLENE (CHIPS)	1.2	75		GR
POLYETHYLENE PLASTIC	2.2	68		S	POLYGLYCOL	9.4	75		L
POLYMER	1.8	75		GR	POLYIMIDE	2.8	75		S
POLYMONOCHLORO	2.5	75		L	POLYOL	49.5	75		L
POLYPHOPLENE	1.3	75		P	POLYPHOPOLENE (PLASTIC)	1.8	75		GR
POLYPROPELENE (PLASTIC)	1.6	75		GR	POLYPROPYLENE (PLASTIC)	1.5	75		GR
POLYPROPYLENE	1.5	75		S	POLYSTYRENE PLASTIC (PELLETS)	1.9	75		GR
POLYSTYRENE RESIN	2.4	75		S	POLYTETRA FLUOROETHYLENE	2.0	75		S
POLYTETRAFLUOROETHYLENE (PTFE)	2.0	75		S					
POLYVINLY IDENE CHLORIDE	2.0	75		S	POLYVINYL CHLORIDE (PVC)	3.4	75		S
POLYVINYLCHLORIDE (PVC)	1.7	75		P	POLYYSTYRENE PLASTIC (1.7	75		GR
POPCORN	5.7	75		S	PORCELAIN	5.0	75		S
PORCELAIN WITH ZIRCON	7.1	75		S	POTASSIUM ALUMINUM SULPHATE	3.8	75		S
POTASSIUM CARBONATE	5.6	60		S	POTASSIUM CHLORATE	5.1	75		S
POTASSIUM CHLORIDE	5.0	75		S	POTASSIUM CHLORONATE	7.3	75		S
POTASSIUM IODIDE	5.6	75		S	POTASSIUM NITRATE	5.0	75		S
POTASSIUM SULFATE	5.9	75		S	PRESS CAKE (VEGTABLE OIL MILL)	3.2	75		S
PROPANE (PRESSURIZED)	1.6	32		L	PROPANEDIOL	32.0	68		L
PROPANEDIOL DINITRATE	19.0	68		L	PROPANETRIOL	19.0	68		L
PROPANOL	38.0	-112		L	PROPANOL	29.0	-30		L
PROPANOL	20.0	75		L	PROPENE	1.9	68		L
PROPENE	1.8	112		L	PROPENE	1.7	150		L
PROPENE	1.5	185		L	PROPENE	1.4	194		L
PROPENE	1.3	197		L	PROPENYL DIMETHOXY BENZENE	4.7	65		L
PROPENYL METHYLENE DIOXYB	3.3	70		L	PROPIONALDEHYDE	18.9	62		L
PROPIONIC ACID	3.1	66		L	PROPIONIC ANHYDRIDE	18.0	60		L
PROPIONITRILE	27.7	68		L	PROPYL ACETATE	6.3	68		L
PROPYL ALCOHOL	21.8	68		L	PROPYL BENZENE	2.4	68		L
PROPYL BROMIDE	7.2	68		L	PROPYL BUTYRATE	4.3	68		L
PROPYL CHLOROFORMATE	11.2	68		L	PROPYL ETHER	3.3	78		L
PROPYL FORMAT	7.9	66		L	PROPYL NITRATE	14.2	64		L
PROPYL PROPICNATE	4.7	68		L	PROPYL VALERATE	4.0	65		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
PSUEDOCUMENE	2.4	60		L	PTALIC	31.0	75		L
PULEZONE	9.7	66		L	PULP, WOOD, DRY	4.8	75		GR
PYRAZINE	2.8	120		L	PYRIDINE	12.5	68		L
PYRROLE	7.5	65		L	QUARTZ	4.3	75		S
QUINOLINE	9.0	77		L	QUINOLINE	5.1	460		L
QUINONE	3.7	75		L	RAISINS (SUN DRIED)	4.8	75		GR
REFRACTORY (FOR CASTING)	1.8	75		P	RERACTORY (CAST)	6.7	75		S
RESOPSINOL (GROUND)	1.8	75		GR	RESORCINOL	3.2	75		S
RICE (CRISP)	1.5	75		GR	RICE (STORAGE BIN)	5.4	75		GR
RICE(DRY)	3.5	75		GR	RJ-100 PLASTIC (1% H2O) (PELLETS)	1.9	75		GR
RJ-100 PLASTIC (1.5% H2O) (CHIPS)	7.0	75		GR	RONGE	1.5	75		S
ROUGE (JEWELERS)	1.5	75		P	RUBBER (CHLORINATED)	3.0	75		S
RUBBER (HARD)	3.0	75		S	RUBBER (ISOMERIZED)	2.4	75		S
RUBBER, FOAM	1.1	75		S	RUTILE	6.7	75		S
SALICYALDEHYDE	17.0	85		L	SALICYLALDEHYDE	13.9	68		L
SALT (COOKING)	3.4	75		GR	SAND RECLAIMED FOUNDRY	4.0	75		GR
SAND, SILICATE	2.2	75		GR	SAWDUST, (DRY)	1.6	75		GR
SELENIUM	11.0	75		S	SELENIUM	5.4	480		L
SHELLAC	3.5	75		S	SILICA (FUMED) (1.0110)	1.0	75		GA
SILICA, PRECIPITATED	1.9	75		S	SILICON	11.1	75		S
SILICON CARBIDE	5.8	75		P	SILICON TETRACHLORIDE	2.4	60		L
SILVER BROMIDE	12.2	75		S	SILVER CHLORIDE	11.2	75		S
SILVER CYANIDE	5.6	75		S	SLATE	7.0	75		S
SMITHSONITE	9.3	75		S	SOAP POWDERS (IN BOX)	1.3	75		P
SODA, BAKING	1.8	80		P	SODIUM BICARBONATE	1.8	80		GR
SODIUM CARBONATE (10 H2O)	5.3	75		S	SODIUM CARBONATE (ANHYD.)	8.4	75		S
SODIUM CHLORIDE	6.1	75		S	SODIUM CHLORIDE	3.2	75		GR
SODIUM NITRATE	5.2	75		S	SODIUM OLEATE	2.8	75		S
SODIUM PERCHLORATE	5.4	75		S	SODIUM SILICATE (IN WATER)	88.0	75		L
SODIUM SILICO ALUMINATE	4.3	75		GR	SODIUM SULPHATE	2.7	75		L
SODIUM TRIPOLYPHOSPHATE	2.3	75		GR	SOLVENT (NON FLAMABLE)	7.1	75		L
SORBITAL	67.0	90		L	SORBITAL	33.5	176		L
SOY BEANS	2.8	75		GR	SOYBEAN MEAL	3.1	75		GR
STANNIC CHLORIDE	3.2	72		L	STARCH (VEGTABLE)	4.7	75		GR
STEAM (1.008)	1.0	212		GA	STEARIC ACID	2.3	160		L
STEATITE	5.5	75		S	STIBINE	2.9	-112		L
STIBINE	2.5	-58		L	STYRENE (PLASTIC)	2.4	75		S
STYRENE (PLASTIC)	2.4	77		L	SUCCINAMIDE	2.9	72		L
SUCCINIC ACID	2.4	78		L	SUCCINONITRILE	56.0	130		L
SUCCINONITRILE	53.0	150		L	SUCCINONITRILE	52.0	170		L
SUCROSE	3.3	75		S	SUGAR, CANE (DRY)	3.0	75		S
SULFUR	2.2	75		GR	SULFUR	3.4	75		S
SULFUR	3.5	447		L	SULFUR	3.4	752		L
SULFUR (3.55)	3.5	244		L	SULFUR DIOXIDE	17.6	-4		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
SULFUR DIOXIDE	14.0	68		L	SULFUR DIOXIDE	2.1	310		L
SULFUR DIXOIDE	15.6	32		L	SULFUR MONOCHLORIDE	4.8	58		L
SULFUR TRIOXIDE	3.1	64		L	SULFUR TRIOXIDE	3.6	70		L
SULFURIC ACID	84.0	68		L	SULFURIC OXYCHLORIDE	9.2	72		L
SULFUROUS OXYCHLORIDE	9.1	72		L	SULFURYL CHLORIDE	10.0	72		L
SUNFLOWER SHELLS	1.3	75		GR	TALLOWAMINE (HYDROGENATE)	2.6	108		L
TANTALUM OXIDE	11.6	75		S	TARTARIC ACID	6.0	68		L
TEFLON (PTFE)	2.0	75		S	TERAPHALIC ACID	2.2	100		GR
TEREPHTHALIC ACID	1.9	75		GR	TERPENE RESIN	2.3	75		L
TERPINENE	2.7	70		L	TERPINEOL	2.8	68		L
TETRABROMOBISPHENOL	2.5	75		GR	TETRABROMOETHANE	8.6	37		L
TETRABROMOETHANE	7.1	68		L	TETRABROMOETHANE	7.0	72		L
TETRACHLOROETHANE	8.2	68		L	TETRACHLOROETHYLENE	2.5	70		L
TETRADECAMETHYLCYCLOHEPTA	2.7	68		L	TETRADECAMETHYLHEXASILOXA	2.5	68		L
TETRADECANOL	4.7	100		L	TETRADECANOL	4.4	120		L
TETRAETHYL AMYLENETETRARAR	4.4	66		L	TETRAETHYL HEXANE-1-PHENYL	5.9	68		L
TETRAETHYL PENTANE DIPHENY	2.7	68		L	TETRAETHYL PROPANE TETRACA	5.2	66		L
TETRAETHYL PROPYLENE TETRA	6.0	66		L	TETRAETHYL SILICATE	4.1	68		L
TETRAFLUROETHYLENE (FEP	2.0	75		S	TETRAHYDRO-B-NAPHTHOL	11.0	68		L
TETRAHYDRO-B-NAPHTHOL	8.1	140		L	TETRAHYDRO-B-NAPHTHOL	6.7	195		L
TETRAHYDRONAPHTHALENE	2.8	68		L	TETRALONE (CRUDE)	4.9	75		L
TETRAMETHYL PENTANONE	10.0	60		L	TETRAMETHYL SILICATE	6.0	68		L
TETRAMETHYLTHIOMETHANE	2.8	160		L	TETRANITROMETHANE	2.2	68		L
TETRATRIACONTADIENE	2.8	76		L	THALLIUM CHLORIDE	46.9	75		S
THF	7.5	75		L	THIOACETIC ACID	13.0	68		L
THIONYL BROMIDE	9.1	68		L	THIONYL CHLORIDE	9.3	68		L
THIOPHENE	2.8	68		L	THIOPHOSPHORYL CHLORIDE	5.8	70		L
THORIUM OXIDE	10.6	75		S	THUJONE	10.0	35		S
TIN TETRACHLORIDE	2.9	68		L	TITANIUM DIOXIDE (T102)	2.4	75		GR
TITANIUM TETRACHLORIDE	2.8	68		L	TOBACCO DUST (6% H2O)	1.7	75		P
TOBACCO DUST (8% H2O)	2.3	75		P	TOLUENE	2.4	32		L
TOLUENE	2.4	75		L	TOLUENE	2.2	260		L
TOLUENE	2.0	360		L	TOLUIDINE	6.0	68		L
TOLUIDINE	3.0	68		S	TOLUIDINE	3.0	75		S
TOLUIDINE	5.0	130		L	TOLUIDINE	4.0	392		L
TOLUIDINE, (-M)	6.0	64		L	TOLUNITRILE	18.8	73		L
TOLYL METHYL ETHER	3.5	68		L	TONER, FOR PHOTO COPIER	1.6	75		P
TOTANE	5.5	111		L	TOULENE	2.4	75		L
TOURMALINE	6.3	75		S	TRANS-3-HEXANE	2.0	76		L
TRIBROMOPROPANE	6.4	68		L	TRIBUTYLPHOSPHATE	8.0	86		L
TRICHLOROACETIC ACID	4.5	141		L	TRICHLOROBUTYRALDEHYDE	10.0	65		L
TRICHLOROETHANE	7.5	68		L	TRICHLOROETHYLENE	3.4	61		L
TRICHLOROLOUENE	6.9	70		L	TRICHLOROPROPANE	2.4	76		L
TRICHLOROTOLUENE	6.9	70		L	TRICHLOROXOLUENE	6.9	75		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
TRICOSANONE	4.0	176		L	TRICRESYL PHOSPHATE	6.9	104		L
TRIETHYL ACONITATE	6.4	68		L	TRIETHYL ALUMINUM	2.9	68		L
TRIETHYL ETHANETRICARBOX	6.5	66		L	TRIETHYL ISOACONITATE	7.2	68		L
TRIETHYLAMINE	2.4	77		L	TRIFLUOROACETIC ACID	26.0	12		L
TRIFLUOROTOLUENE	9.2	86		L	TRIFLUOROTOLUENE	8.1	140		L
TRIMETHYL BORATE	8.2	68		L	TRIMETHYL-3-HEPTENE	2.2	68		L
TRIMETHYLAMINE	2.9	39		L	TRIMETHYLAMINE	2.5	77		L
TRIMETHYLBENZENE	2.3	68		L	TRIMETHYLBUTANE	1.9	68		L
TRIMETHYLHEPTENE	2.2	68		L	TRIMETHYLPENTANE	2.0	68		L
TRIMETHYLSULFANILIC ACID	89.0	64		L	TRINITROBENZENE	2.2	68		L
TRIOLEIN	3.2	75		L	TRIPALMITIN	2.9	140		L
TRIPHENYLMETHANE	2.5	212		L	TRISTEARIN	2.8	158		L
TRUFLUOROACETIC ACID	39.0	68		L	TURPENTINE (WOOD)	2.2	68		L
UITRIDE	5.4	75		L	UNDECANE	1.8	300		L
UNDECANE	1.8	375		L	UNDECANE (1.82)	2.0	14		L
UNDECANE (2.03)	2.0	68		L	UNDECANONE	8.4	58		L
UREA	3.5	71		L	UREA	3.5	75		S
UREA FORMALDEHYDE	6.4	75		P	URETHAN	14.2	121		L
URETHANE	3.2	74		L	URETHANE RESIN	6.5	75		P
VALERALDEHYDE	11.8	58		L	VALERIC ACID	2.6	68		L
VALERONITRILE	17.7	70		L	VANADIUM OXYBROMIDE	4.4	-94		L
VANADIUM OXYBROMIDE	3.6	78		L	VANADIUM OXYCHLORIDE	3.4	78		L
VANADIUM TETRACHLORIDE	3.0	78		L	VEPATROL	4.5	73		L
VINYL BUTYRAL	3.3	75		S	VINYL CHLORIDE (FLEXIBLE)	3.5	75		S
VINYL CHLORIDE (RIDGID)	2.8	75		S	VINYL CHLORIDE ACETATE	3.0	75		S
VINYL ETHER	3.9	68		L	VINYL FORMAL	3.0	75		L
VINYL IDENE CHLORIDE	3.0	75		S	VINYL PROLIDONE	21.2	75		L
WATER	88.0	32		L	WATER	80.0	68		L
WATER	48.0	212		L	WATER	34.5	390		L
WATER (STEAM) (1.008)	1.0	68		GA	WAX, (PARA WAX)	2.3	75		S
WAX, BEES'	2.7	75		S	WAX, BIWAX	2.5	75		S
WAX, CARNAUBA	2.9	75		S	WAX, CERESE	2.4	75		S
WAX, HALOWAX	4.5	75		S	WAX, PARAFFIN	2.2	75		S
WAX, PARAFFIN	1.9	250		L	WAX, PETROLEUM	3.0	200		L
WAX, PETROLEUM	2.1	300		L	WAX, SANTOWAX	2.3	70		L
WAX, OPAL	3.1	75		S	WHEAT	4.8	75		GR
WHEAT FLOUR	3.0	75		P	WOOD ALCOHOL	56.6	-112		L
WOOD ALCOHOL	37.5	32		L	WOOD ALCOHOL	33.1	68		L
XXX	1.8	80		P	XYLENE (PHOTO DEVELOPER)	2.3	75		L
XYLENE, (-M)	2.4	68		L	XYLENOL	3.9	62		
XYLIDINE	5.0	68		L	XYLITOL	40.0	68		L
XYLOL	2.3	75		L	YEAST	2.7	75		GR
ZINC CARBONATE	5.0	75		L	ZINC PHOSPHATE	49.0	75		GR
ZINC SULFIDE	8.2	75		S	ZIRCHRONIUM TETRACHLORIDE	5.0	75		L

Dielectric Constants

MEDIA	Dc	TEMP	F	STATE	MEDIA	Dc	TEMP	F	STATE
ZIRCON	12.0	75		S	ZIRCONIUM OXIDE	12.5	75		S
ZIRCONIUM SILICATE	5.0	75		S					