

LIST OF DIELECTRIC CONSTANTS



Substance	Dielectric Constant
A	
Amylamine	4.6
Amylene	2
Amylene Bromide	5.6
Aniline	7.8
Aniline Formaldehyde Resin	3.5
Aniline Resin	3.4
Anisaldehyde	15.8
Anisaldoxine	9.2
Anisole	4.3
Anitmony Trichloride	5.3
Antimony Pentachloride	3.2
Antimony Trichloride	33
Apatite	7.4
Asbestos	4
Ash Fly	1.8
Asphalt	2.6
Asphalt, Liquid	2.8
Azoxyanisole	2.3
Azoxybenzene	5.1
B	
Bakelite	4
Ballast	5.5
Ballmill Feed Cement	4.5
Balm, Refuse	3.1
Barium Chloride	9.4
Barium Nitrate	5.8
Barium Sulfate	11.4
Barley Flour	3.5
Barley Powder	3.5
Beeswax	2.8

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Benzal Chloride	6.9
Benzaldehyde	17.8
Benzaldoxime	3.8
Benzene	2.3
Benzonitrile	26
Benzophenone	13
Benzotrichloride	7.4
Benzoyl Chloride	23
Benzoylacetone	29
Benzyl Acetate	5
Benzyl Alcohol	13
Benzyl Benzoate	4.8
Benzyl Chloride	6.4
Benzyl Cyanide	18.3
Benzyl Salicylate	4.1
Benzylamine	4.6
Benzylethylamine	4.3
Benzylmethylamine	4.4
Beryl	6
Biphenyl	20
Biwax	2.5
Bleaching Powder	4.5
Bone Black	5.5
Bornyl Acetate	4.6
Boron Bromide	2.6
Boronyl Chloride	5.2
Bromacectal Bromide	12.6
Bromal	7.6
Bromine	3.1
Bromoacetyl Bromide	12.6
Bromoaniline	13
Bromoanisole	7.1
Bromobenzene	5.4
Bromobutylene	5.8
Bromobutyric Acid	7.2
Bromoctadecane	3.5
Bromodecane	4.4
Bromodeodecane	4.1
Bromodocosane	3.1
BromoEthoxypentane	6.5

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Bromoform	4.4
Bromoheptane	5.3
Bromohexadecane	3.7
Bromohexane	5.8
Bromoisovaleric Acid	6.5
Bromomethane	9.8
Bromonaphthalene	5.1
Bromooctadecane	3.5
Bromopentadecane	3.9
Bromophropionic Acid	11
Bromotoluene	5.1
Bromotridecane	4.2
Bromoundecane	4.7
Bronyl Chloride	5.21
Butanol	17.8
Butanone	18.5
Butyric Anhydride	12
Butyl Chloral	10
Butyl Chloride	9.6
Butyl Oleate	4
Butyl Stearate	3.1
Butylacetate	5.1
Butylamine	5.4
Butyraldehyde	13.4
Butyric Acid	3
Butyric Anhydride	12
Butyronitrile	20.7
C	
Cable Oil	2.2
Calcim Fluoride	7.4
Calcite	8
Calcium	3
Calcium Carbonate	7.5
Calcium Fluoride	7.4
Calcium Oxide, Granule	11.8
Calcium Sulfate	5.6
Calcium Superphosphate	14.5
Camphanedione	16
Camphene	2.7
Camphoric Imide	5.5

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Camphorpinacone	3.6
Caprilic Acid	3.2
Caproic Acid	2.6
Caprolactam Monomer	1.8
Caprylic Acid	3.2
Carbide	8
Carbide, Powder	6.5
Carbon Black	3
Carbon Dioxide, Liquid	1.6
Carbon Disulfide, Liquid	2.6
Carbon Disulphide	2.6
Carbon Tetrachloride	2.2
Carnauba Wax	2.9
Carvenone	18.4
Carvol	11.2
Carvone	11
Casein Resin	6.7
Cassiterite	23.4
Castor Oil	4.7
Castor Oil Hydrogenated	10.3
Cedrene	3.2
Cellophane	5
Celluloid	5
Cellulose	5
Cellulose Acetate	5
Cellulose Acetate Butyrate	5
Cellulose Acetate Sheet	4.7
Cellulose Nitrate Proxylin	6.4
Cement	1.8
Cement, Portland	2.5
Cement, Powder	7.5
Cereals Dry	4
Cerese Wax	2.4
Cesium Iodine	5.6
Cetyl Iodide	3.3
Charcoal	1.5
Chinaware, Hard	6
Chloracetic Acid	12.3
Chloracetone	29.8

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Chloral	4.9
Chlorhexanone Oxime	3
Chlorine, Liquid	2
Chloroacetic Acid	21
Chloroacetone	29.8
Chlorobenzene	5.6
Chlorocyclohexane	7.6
Chloroform	5.5
Chloroheptane	5.5
Chlorohexanone Oxime	3
Chlorohydrate	3.3
Chloromethane	12.6
Chloronaphthalene	5
Chlorooctane	5.1
Chlorophetane	5.4
Chlorotoluene	4.7
Chlorotoluene, Liquid	4
Cholesterin	2.86
Cholestral	2.9
Chorine	1.7
Chrome, Ore	7.7
Chrome, Pure	12
Chromite	4
Chromyl Chloride	2.6
Cinnamaldehyde	16.9
CisHexene	2.1
Citraconic Anhydride	40.3
Citraconic Nitrile	27
Clay	2
Clinker Cement	2.7
Coal Tar	2.5
Coal, Powder, Fine	3
Cocaine	3.1
Coffee Refuse	2.5
Coke	1.7
Compound	3.6
Copper Catalyst	6.1
Copper Oleate	2.8
Copper Oxide	18.1

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Corderite	3.5
Corn	7.5
Corn Dry Granulars	1.8
Corn, Refuse	2.4
Corning Glass	6.5
Cotton	1.35
Cotton Seed Oil	3.1
Creosol	10.6
Cresol	5
Cresol, Liquid	10
Crotonic Nitric	28
Cumaldehyde	11
Cumene	2.4
Cumicaldehyde	10.7
Cupric Oleate	2.8
Cupric Oxide	18.1
Cupric Sulfate	10.3
Cyanoacetic Acid	33
Cyanoethyl Acetate	19.3
Cyanogen	2.6
Cyclohexane	2
Cyclohexanone	18.2
Cycloheptasiloxane	2.7
Cyclohexane, Liquid	18.5
Cyclohexanecarboxylic Acid	2.6
Cyclohexanemethanol	9.7
Cyclohexanol	15
Cyclohexanone	18.2
Cyclohexanone Oxime	3
Cyclohexene	18.3
Cyclohexylamine	5.3
Cyclopentane	2
Cymene	2.3
D	
Decahydronaphthalene	2.2
Decamethylcyclopentasiloxane	2.5
Decamethyltetrasiloxane	2.4
Decanal	8.1
Decane	2

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Decanol	8.1
Decylene	2.7
Decyne	2.2
Deuterium Oxide	78.3
Dextrin	2.2
Diacetoxybutane	6.64
Diallyl Sulfide	4.9
Diamond	8
Diaphenylmethane	2.7
Diaplmitin	3.5
Dibenzofuran	3
Dibenzyl Sebacate	4.6
Dibenzylamine	3.6
Dibroheptane	5.08
Dibromobenzene	8.8
Dibromobutane	5.7
Dibromoethylene	7.7
Dibromoheptane	5.1
Dibromohexane	5
Dibromomethane	7.8
Dibromopropane	4.3
Dibromopropyl Alcohol	9.1
Dibutyl Phthalate	6.4
Dibutyl Sebacate	4.5
Dibutyl Tartrate	9.4
Dichloroacetic Acid	10.7
Dichloroacetone	14
Dichlorobenzene	2.8
Dichloroethane	16.7
Dichloroethylene	4.6
Dichloromethane	9.1
Dichlorostyrene	2.6
Dichlorotoluene	6.9
Dictyl Phthalate	5.1
Dicyclohexyl Adipate	4.8
Diebenzylamine	3.6
Diethyl Benzalmalonate	8
Diethyl Disulfide	15.9
Diethyl DIMalate	10.2
Diethyl Glutarate	6.7

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Diethyl IMalate	9.5
Diethyl Ketone	17.3
Diethyl LMalate	9.5
Diethyl Malate	9.5
Diethyl Malonate	7.9
Diethyl Oxalate	8.2
Diethyl Oxaloacetate	6.1
Diethyl Racemate	4.5
Diethyl Sebacate	5
Diethyl Succinate	6.6
Diethyl Sulfide	7.2
Diethyl Sulfite	15.9
Diethyl Tartrate	4.5
Diethyl Zinc	2.6
Diethylamine	3.7
Diethylaniline	5.5
DiethylDimalate	10.2
Dihydrocaroone	8.7
Dihydrocarvone	8.5
Dioamylene	2.4
Diiodoethylene	4
Diiodomethane	5.3
Diisoamyl	2
Diisoamylene	2.4
Diisobutylamine	2.7
Dimethoxybenzene	4.5
Dimethyl Ethyl	11.7
Dimethyl Ethyl Carbinol	11.7
Dimethyl Malonate	10.4
Dimethyl Oxalate	3
Dimethyl Pentane	1.912
Dimethyl Phthalate	8.5
Dimethyl Sulfate	55
Dimethyl Sulfide	6.3
Dimethylamine	6.3
Dimethylaniline	4.4
Dimethylbromoethylene	6.7
Dimethylheptane	1.9
DimethylHexane	2.4
DimethylHydroxybenzene	4.8

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Dimethylpentane	1.9
Dimethylquinoxaline	2.3
Dimethyltoudine	3.3
Dinitrogen Oxide	1.6
Dinitrogen Tetroxide	2.5
Diocetyl Phthalate	5.1
Dioxane	2.2
Dipalmitin	3.5
Dipentene	2.3
Dipenylamine	3.3
Diphemylethane	12.6
Diphenyl	2.5
Diphenyl Ether	3.9
Diphenylamine	3.3
Diphenylethane	2.38
Diphenylmethane	2.6
Dipropyl Ketone	12.6
Dipropylamine	2.9
Distearin	3.3
DMT Dacron Powder	1.3
Docosane	2
Dodecane	2
Dodecanol	6.5
Dodecyne	2.2
Dolomite	7.5
E	
Ebonite	2.7
Emery Sand	16.5
Epichlorhydrin	22.9
Epoxy Resin Cast	3.6
Ethanediamine	14.2
Ethanethiol	6.9
Ethanethiolic Acid	13
Ethanol	24.3
Ethelene Diamine	16
Ethelene Oxide	13.9
Ethoxybenzene	4.2
Ethoxyethyl Acetate	7.6
EthoxyMethylbutane	4
Ethoxynapthalone	3.3

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Ethoxypentane	3.6
Ethoxytoluene	3.9
Ethyl Acetate	6
Ethyl Acetoacetate	15.9
Ethyl Acetoneoxalate	16.1
Ethyl Acetophenoneoxalate	3.3
Ethyl Alcohol	24.3
Ethyl Amyl Ether	4
Ethyl Benzene	2.5
Ethyl Benzoate	6
Ethyl Benzoylacetate	12.8
Ethyl Benzoylacetoacetate	8.6
Ethyl Benzyl Ether	3.8
Ethyl Brobutyrate	8
Ethyl Bromide	4.9
Ethyl Bromoisobutyrate	7.9
Ethyl Bromopropionate	9.4
Ethyl Butyrate	5.1
Ethyl Carbonate	14.2
Ethyl Cellulose	3
Ethyl Chloracetate	11.6
Ethyl Chloroformate	11.3
Ethyl Chloropropionate	10.1
Ethyl Cinnamate	5.3
Ethyl Cyanoacetate	27
Ethyl Cyclobutane	2
Ethyl Dodecanoate	3.4
Ethyl Ether	8.1
Ethyl Ethoxybenzoate	7.1
Ethyl Formate	7.1
Ethyl Formylphenylacetate	3
Ethyl Fumarate	6.5
Ethyl Iodide	7.4
Ethyl Iodopropionate	8.8
Ethyl Isothiocyanate	19.7
Ethyl Levulinete	12.1
Ethyl Maleate	8.5
Ethyl Nitrate	19.7
Ethyl Oleate	3.2
Ethyl Palmitate	3.2

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Ethyl Phenylacetate	5.4
Ethyl Propionate	5.7
Ethyl Salicylate	8.6
Ethyl Silicate	4.1
Ethyl Stearate	3
Ethyl Thiocyanate	29.6
Ethyl Trichloroacetate	7.8
Ethyl Undecanoate	3.6
Ethyl Valerate	4.7
Ethylamine	6.3
Ethylaniline	5.9
Ethylbenzene	3
Ethylene Chloride	10.5
Ethylene Chlorohydrin	26
Ethylene Cyanide	58.3
Ethylene Diamine	16
Ethylene Gylcol	37
Ethylene Iodide	3.4
Ethylene Oxide	14
Ethylene Tetraflouride	2
Ethylenechlorohydrin	25
Ethylenediamine	16
Ethylic Resin	2.3
Ethylpentane	1.9
Ethyltoluene	2.2
Eugenol	6.1
F	
Fenchone	12
Fermanium Tetrachloride	2.4
Ferric Oleate	2.6
Ferrochromium	1.8
Ferromanganese	5
Ferrous Oxide	14.2
Ferrous Sulfate	14.2
Flour	2.75
Flourine	1.5
Flourspar	6.8
Fluorotoluene	4.2
Fly Ash	2
Formalin	23

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Formamide	84
Formic Acid	58
Forsterite	6.2
Freon	3.1
Fuller's Earth	2
Furan	3
Furfural	42
Furfuraldehyde	41.9
G	
Gasoline	2
Gerber Oatmeal In Box	1.5
Germanium Tetrachloride	2.4
Glass	5
Glass Silica	3.8
Glass, Bead	3.1
Glass, Granule	7
Glass, Raw Material	2.2
Glucoheptitol	27
Glycerin, Liquid	50
Glycerol	42.5
Glycerol Phthalate Cast Alkyd	4
Glyceryl Triacetate	6
Glycol	37
Glycolic Nitrile	27
Grain	5
Graphite	13
Guaiacol	11
Gypsum	4
H	
Hagemannie Ester	10.6
Halowax	4.5
Heavy Oil	3
Helium, Liquid	1.05
Heptadecanone	5.3
Heptane, Liquid	2
Heptanoic Acid	2.5
Heptanone	11.9
Heptaonic Acid	2.6
Heptyl Alcohol	6.7
Hexamethyldisiloxane	2.2

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Hexane	2
Hexanol	13.3
Hexanone	14.6
Hexyl Iodide	6.6
Hexylene	2
Hexyliodide	6.6
Hydrazine	52
Hydrochloric Acid	4.6
Hydrocyanic Acid	158
Hydrofluoric Acid	83.6
Hydrogen	1
Hydrogen Bromide	3.8
Hydrogen Chloride	4.6
Hydrogen Cyanide	95.4
Hydrogen Fluoride	17
Hydrogen Iodide	2.9
Hydrogen Iodide	2.9
Hydrogen Peroxide	70
Hydrogen Sulfide	9.3
Hydrogen Sulfide	5.8
Hydrozine	52.9
I	
Idoheptane	4.9
Idohexane	5.4
Idolodohexadecane	3.5
Idomethane	7
Idopoctane	4.6
Idotoluene	6.1
Ilmenite	7
Inadol	7.8
Indonol	7.8
Iodine	11
Iodine Granular	4
Iodioctane	4.6
Iodloctane	4.62
Iodobenzene	4.6
Iodoheptane	4.92
Iodohexane	5.37
Iodomethane	7
Iodotoluene	6.1

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Iron Oxide	14.2
Iso Butyl Alcohol	20
Iso Butyl Iodide	5.8
Iso Butyl Nitrate	11.9
Iso Butylamine	4.5
Iso Butyric Acid	2.7
Iso Butyronitrile	20.8
Iso Valeric Acid	2.6
Isoamyl Acetate	5.6
Isoamyl Alcohol	15.3
Isoamyl Bromide	6.1
Isoamyl Butyrate	3.9
Isoamyl Chloracetate	7.8
Isoamyl Chloride	6.4
Isoamyl Chloroformate	7.8
Isoamyl Iodide	5.6
Isoamyl Propionate	4.2
Isoamyl Salicylate	5.4
Isoamyl Valerate	3.6
Isoamyl Valerate	3.6
Isoamylpropionate	4.2
Isobuthyl Resin	1.7
Isobutyl Acetate	5.6
IsoButyl Alcohol	18.7
Isobutyl Alcohol	18.7
Isobutyl Benzoate	5.9
Isobutyl Bromide	4
Isobutyl Butyrate	4
Isobutyl Chloride	7.1
Isobutyl Chloroformate	9.2
Isobutyl Cyanide	13.3
Isobutyl Formate	6.5
IsoButyl Iodide	5.8
Isobutyl Iodide	5.8
IsoButyl Nitrate	11.9
Isobutyl Nitrate	11.9
Isobutyl Rininoleate	4.7
Isobutyl Valerate	3.8
IsoButylacetate	5.6
IsoButylamine	4.5

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Isobutylamine	4.5
Isobutylbenzene	2.3
Isobutylene Bromide	4
IsoButyric Acid	2.7
Isobutyric Acid	2.7
Isobutyric Anhydride	13.9
IsoButyronitrile	20.8
Isobutyronitrile	20.8
Isocapronitrile	15.7
Isolodohexadecane	3.5
Isooctane	2.2
Isophthalic Acid	1.4
Isoprene	2.1
IsoPropyl Alcohol	18.3
Isopropyl Alcohol	18.3
Isopropyl Benzene	2.4
IsoPropyl Nitrate	11.5
Isopropyl Nitrate	11.5
Isopropylamine	5.5
Isopropylether	3.9
Isoquinoline	10.7
Isosafrol	3.4
IsoValeric Acid	2.7
J	
Jet Fuel Jp	1.7
K	
Kent Wax	7
Kerosene	1.8
Kynar	2
L	
Lactic Acid	22
Lactronitrile	38.4
Lad Oxide	25.9
Lead Acetate	2.5
Lead Carbonate	18.1
Lead Chloride	4.2
Lead Nitrate	37.7
Lead Nomoxide	25.9
Lead Oleate	3.2
Lead Oxide	25.9

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Lead Sulfate	14.3
Lead Sulfit	17.9
Lead Tetrachloride	2.8
Lime	2.4
Limonene	2.3
Linoleic Acid	2.9
Linseed Oil	3.3
Liquified Air	1.5
Liquified Hydrogen	1.2
Lithium Chloride	11.1
Lonone	10
LPG	1.8
M	
Manganese Dioxide	5.2
Magnesium Oxide	9.7
Magnesium Sulfate	8.2
Malachite	7.2
Maleic Anhydride	51
Malolic Anhydride	51
Malonic Nitrile	47
Mandelic Nitrile	18.1
Mandelitrile	17
Mannitol	3
Margarine, Liquid	3
MBromoaniline	13
MBromotoluene	5.4
MChloroaniline	13.4
MChlorotoluene	5.6
MCreosol	5
MDichlorobenzene	5
MDinitro Benzene	2.8
Melamine Formaldehyde	6
Melamine Resin	6
Menthol	4
Menthonol	2.1
Mercuric Chloride	3.2
Mercury Chloride	10
Mercury Diethyl	2.3
Mesityl Oxide	15.4
Mesitylene	3.4

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Methyl Cyanoacetate	29.4
Methylamine	9.4
Methane, Liquid	1.7
Methanol	32.6
Methylene Iodide	5.1
Methoxybenzene	4.3
Methoxyphenol	11
Methoxytoluene	3.5
Methyl Acetate	6.7
Methyl Alcohol	33.1
Methyl Benzoate	6.6
Methyl Butane	1.8
Methyl Butyl Ketone	12.4
Methyl Butyrate	5.6
Methyl Chloride	12.9
Methyl Chloroacetate	12.9
Methyl Ether	5
Methyl Ethyl Ketone	18.4
Methyl Ethyl Ketoxime	3.4
Methyl Formate	8.5
Methyl Heptanol	5.3
Methyl Iodide	7.1
Methyl Methyl Ketone	10.7
Methyl Methacrylate Cast	3
Methyl Nitrobenzoate	27
Methyl M-Methoxybenzoate	7.8
Methyl Pentandiol	24.4
Methyl Propionate	5.4
Methyl Propyl Ketone	16.8
Methyl p-Toluate	4.3
Methyl Salicylate	9
Methyl Thiocyanate	35.9
Methyl Valerate	4.3
Methylal	2.7
Methylaniline	6
Methylbenzylamine	4.4
Methylcyclohexanone	18
Methylcyclopentanol	6.9
Methylcyclopentane	2
Methylene Iodide	5.1

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Methyleneacetoacetate	7.8
Methylenemalonate	6.6
Methylenephanylacetate	5
Methylether, Liquid	5
Methylhexane	1.9
Methylisocyanate	29.4
MethylKetocyclohexylene	24
Methyloctane	30
Methylomine	10.5
MethylPentanone	13.1
Methylphenyl Hydrazin	7.3
Methylpyridine	9.8
MetnoxyFourMethyl Phenol	11
Mica	7
Mica Glass Bonded	7.5
Micanite	2.2
Mills Dry Powder	1.8
Mineral Oil	2.1
MNOitrotoluene	23.8
Monomyristin	6.1
Monopalmitin	5.3
Monostearin	4.9
Morpholine	7.3
MSylene	2.4
MToluidine	6
MXylene	2.4
N	
Naphthy Ethyl Ether	3.2
Napthalene	2.3
Napthonitrile	6.4
Naphthyl Ethyl Ether	3.2
NButyl Alcohol	7.8
NButyl Bromide	6.6
NButyl Formate	2.4
NButyl Iodide	6.1
NButylacetate	5.1
NButyricaid	2.9
Neon	1
Neoprene	6.9
NHexane	1.9

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Nitric Acid	10
Nitroanisole	24
Nitrobenzal Doxime	48.1
Nitrobenzene	35.7
Nitrobenzyl Alcohol	22
Nitrocellulose	6.7
Nitroethane	19.7
Nitroglycerin	19
Nitromethane	39.4
Nitromethane	30
Nitrosodimethylamine	54
Nitrosyl Bromide	13
Nitrosyl Chloride	18
Nitrotoluene	1.96
Nitrous Oxide	1.6
NMethylaniline	6
Nonane	2
NPentane	1.8
Nylon	4.5
Nylon 6/6	6
Nylon Resin	4
O	
OCresol	11.5
Octadecanol	3.4
Octadecanol	3.4
Octamethylcyclotetrasiloxane	2.4
Octamethyltrisiloxane	2.3
Octane	1.061
Octane	2
Octanone	10.3
Octene	2.1
Octyl Alcohol	3.4
Octyl Iodide	4.9
Octylene	4.1
Oil, Almond	2.8
Oil, Cotton Seed	3.1
Oil, Grapeseed	2.9
Oil, Lemon	2.3
Oil, Linseed	3.4
Oil, Olive	3.1

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Oil, Paraffin	4.7
Oil, Peanut	3
Oil, Petroleum	2.1
Oil, Pyranol	5.3
Oil, Sesame	3
Oil, Sperm	3.2
Oil, Turpentine	2.2
Oil, Transformer	2.2
Oleic Acid	2.5
Oleric Acid	2.4
Opal Wax	3.1
Organic Cold Molding Compound	6
Oxygen	1.51
Oxylene	2.6
P	
Paint	6
Palmitic Acid	2.3
Paper Dry	2
Paraffin	2.2
Paraffin Wax	2.3
Paraldehyde	14.5
Parawax	2.3
Parrafin Chloride	2.2
Pbromotoluene	5.5
Pchlorophenol	9.5
Pchlorotoluene	6.1
PCresol	5
Pcresol	5.6
Pcresol	9.9
Pcymene	2.3
Pdibromobenzene	4.5
Pdichlorobenzine	2.86
Pdichlorobenzine	2.4
Penanthiene	2.8
Pentachloroethane	3.7
Pentadiene	2.3
Pentane	1.8
Pentanol	13.9
Pentanone	15.4
Pentene	2.1

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Pentachlorethane	3.7
Perlite	1.4
Petroleum	2.1
Phenanthrene	2.7
Phenathiene	2.8
Phenetole	4.5
Phenol	15
Phenol Ether	9.8
Phenol Formaldehyde Resin PFR	5
Phenol Resin	4.9
Phenoxyacetylene	4.8
Phentidine	7.3
Phenyl Acetate	6.9
Phenyl Ether	3.7
Phenyl Iso Thiocyanate	10.7
Phenyl Isocyanate	8.9
Phenyl Urethane	2.7
Phenylacetaldehyde	4.8
Phenylacetic	3
Phenylacetonitrile	18
Phenylethanol	13
Phenylethyl Acetate	4.5
Phenylethylene	2.4
Phenylhydrazine	7.2
PhenylLLropane	2.7
PhenylOnelropane	2.7
PhenylPropane	1.7
Phenylsalicylate	6.3
Phosgene	4.7
Phosphine	2.5
Phosphorus	4.1
Phosphorus Oxychloride	14
Phosphorus Pentachloride	2.8
Phosphorus Tribromide	3.9
Phosphorus Trichloride	3.4
Phosphorus, Red	4.1
Phosphorus, Yellow	3.6
Phosphoryl Chloride	13
Phosphrous	4.1
Phtalide	36

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Phthalic Acid	5.5
Phthalide	36
Pinacolin	12.8
Pinacone	7.4
Pine Tree Resin, Powder	1.7
Pinene	2.7
Piperidine	5.9
Plaster	4
Plastic Pellets	2
Plastic Sulphur, Unground	1.5
Platinum Catalyst	7
PNitro Aniline	56.3
Pnitrotoluene	22.2
Poly Propylene	1.5
Polyacetal	3.6
Polyacetol Resin	3
Polyacrylate	2.8
Polyacrylic Ester	3.5
Polyamide	2.5
Polybutylene	2.3
Polycaprolactam	2.2
Polycarbonate	3.5
Polycarbonate	3
Polycarbonate Resin	3
Polyester Resin	3.8
Polyester Resin Flexible	4.8
Polyester Resin Glass Fiber Filled	4.3
Polyester Resin Ridgid Cast	3
Polyester, TP	3.8
Polyether Chloride	2.9
Polyether Resin	5
Polyethylene	2.3
Polyethylene, Pellet	1.5
Polymide	2.8
Polymonochloro Pifluoroethylene	2.5
Polyphenylene sulfide	3.7
Polypropylene	2.6
Polypropylene	1.5
Polypropylene, Pellet	1.7
Polystyrene Resin	2.5

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Polystyrol	2.3
Polysulfone	3.2
Polysulphonic Acid	2.8
Polytetra Fluoroethylene	2
Polyvinyl Alcohol	2
Polyvinyl Chloride	3.4
Polyvinylchloride Resin	6.2
Porcelain	6
Porcelain With Zircon	8
Potassium Aluminum Sulphate	3.8
Potassium Carbonate	5.6
Potassium Chlorate	5.1
Potassium Chloride	4.6
Potassium Chloronate	7.3
Potassium Iodide	5.6
Potassium Nitrate	5
Potassium Sulfate	5.9
Potssium Chloromate	7.3
Pottasium Chloride	5
PPO, Modified	2.8
Propane Liquid	1.6
Propanediol	0
Propanol	20.1
Propene	1.9
Propionaldehyde	18.9
Propionic Acid	3.1
Propionic Anhydride	18
Propionitrile	27.7
Propy Butyrate	4.3
Propyl Acetate	6.3
Propyl Alcohol	21.8
Propyl Benzene	2.4
Propyl Bromide	7.2
Propyl Butyrate	4.3
Propyl Chloroformate	11.2
Propyl Ether	3.4
Propyl Formate	7.9
Propyl Nitrate	14.2
Propyl Propionate	4.7
Propyl Valerate	4

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Propylene Liquid	11.9
Psuedocumene	2.4
Ptoludine	3
Ptoluidine	5
Pulegone	9.5
Pulezone	9.7
PVC, Powder	1.4
Pxylene	2.3
Pyrex	4.8
Pyrex Glass	4.8
Pyridine	12.5
Pyroceram	4
Pyrrole	7.5
Q	
Quartz	4.2
Quinoline	9
R	
Reburned Lime	2.2
Resorcinol	3.2
Rice Bran	1.8
Rice Dry	3.5
Rouge	1.5
Rouge Jewelers	1.5
Rubber	3
Rubber Cement	2.8
Rubber Chloride	2.5
Rubber Chlorinated	3
Rubber Hard	2.8
Rubber Isomerized	3
Rubber, Raw	2.5
Rubber, Sulphurized	2.5
Ruby	11.3
Rutile	6.7
S	
Safrol	3.1
Salicylaldehyde	13.9
Salt	15
Sand Dry	5
Sand Silicon Dioxide	4
Santowax	2.3

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Selenium	11
Selevium	5.4
Sesame	1.9
Shellac	2.5
Silica Aluminate	2
Silica Sand	3
Silicon	11.5
Silicon Dioxide	4.5
Silicon Tetrachloride	2.4
Silicone Molding Compound SMC	3.7
Silicone Oil	2.5
Silicone Resin, Liquid	4
Silicone Rubber	5
Silicone Varnish	3
Silk	3
Silver Bromide	12.2
Silver Chloride	11.2
Silver Cyanide	5.6
Slaked Lime, Powder	2.8
Slate	7
Smithsonite	9.3
Soap Powders	1.5
Sodium Carbonate	7
Sodium Carbonate Anhyd	8.4
Sodium Carbonate h	5.3
Sodium Chloride	5.9
Sodium Chloride Salt	6.1
Sodium Cyanide	7.55
Sodium Dichromate	2.9
Sodium Nitrate	5.2
Sodium Oleate	2.7
Sodium Perchlorate	5.4
Sodium Phosphate	1.7
Sodium Porchlorate	5.4
Sodium Sulphide	5
Sorbitol	33.5
Soy Beans	2.8
Stannec Chloride	3.2
Starch	3.5
Starch, Paste	1.7

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Stearic Acid	2.3
Steatite	6.5
Styrene	2.4
Styrene Modified	3
Styrene Phenylethane	2.4
Styrene Resin	3
Succinamide	2.9
Succinic Acid	2.4
Sucrose	3.3
Sucrose Mean	3.3
Sugar	3
Sugar, Granulated	1.8
Sulfuric Acid C	100
Sulphur	3.5
Sulphur Dioxide	15.6
Sulphur Trioxide	3.6
Sulphur, Liquid	3.5
Sulphur, Powder	3.6
Sulphuric Acid	84
Syrup	65
Syrup Wax	2.7
T	
Tantalum Oxide	11.6
Tartaric Acid	6
Teflon	2
Teflon, FEP	2.1
Teflon, PCTFE	2.5
Teflon, PTFE	2
Tepineol	2.8
Terpinene	2.7
Terpineol	2.8
Thallium Chloride	46.9
Thinner	3.7
Thioacetic Acid	13
Thionyl Bromide	9.1
Thionyl Chloride	9.3
Thiophene	2.8
Thiophosphoryl Chloride	5.8
Thorium Oxide	10.6
Trichloroethylene	3.4

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Tide Loose From Box	1.6
Tin Tetrachloride	2.9
Titanium Tetrachloride	2.8
Titanium Dioxide	110
Titanium Oxide	45
Tobacco	1.6
Toluene, Liquid	2.2
Toluidine	6
Tolunitrile	18.8
Tolyl Methyl Ether	3.5
Totane	5.5
Tourmaline	6.3
TransHexene	2
Transmission Oil	2.2
Tribromopropane	6.4
Tributylphosphate	8
Trichlorethylene	3.4
Trichloroacetic Acid	4.6
Trichloroethane	7.5
Trichloroethylene	3.4
Trichlorololuene	6.9
Trichloropropane	2.4
Trichlorotoluene	6.9
Trichloroxoluene	6.9
Tricosanone	4
Tricresyl Phosphate	6.9
Triethyl Aconitate	6.4
Triethyl Aluminum	2.9
Triethyl Ethanetricarboxylate	6.5
Triethyl Isoaconitate	7.2
Triethylamine	3.2
Trifluoroactic Acid	39
Trifluorotoluene	9.2
Trimethyl Borate	8.2
Trimethylamine	2.5
Trimethylbenzene	2.3
Trimethylbutane	1.9
TrimethylHeptene	2.2
Trimethylpentane	2.9
Trimethylsulfanilic Acid	89

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Trinitrobenzene	2.2
Trinitrotoluene	22
Triolein	3.2
Triphenylmethane	2.3
Tripolmitin	2.9
Tristearin	2.8
Turpentine Wood	2.2
U	
Undecane	2
Undecanone	8.4
Urea	3.5
Urea Resin	7
Urethan	14.2
Urethane	3.2
Urethane Resin	7
V	
Valeraldehyde	11.8
Valeric Acid	2.6
Valeronitrile	17.7
Vanadium Oxybromide	3.6
Vanadium Oxychloride	3.4
Vanadium Sulfide	3.1
Vanadium Tetrachloride	3
Vaseline	2.5
Veratrol	4.5
Vinyl Alcohol Resin	3
Vinyl Butyral	3.5
Vinyl Chloride Acetate	3
Vinyl Chloride Flexible	4
Vinyl Chloride Resin, Hard	6
Vinyl Chloride Resin, Soft	3
Vinyl Chloride Ridgig	3
Vinyl Ether	3.9
Vinyl Formal	3
Vinylidene Chloride	3.5
Vycor Glass	3.8
W	
Water	80
Wax	4
Wheat Flour	4

LIST OF DIELECTRIC CONSTANTS (Continued)

Substance	Dielectric Constant
Wheat Flour Dry Powder	1.6
White Mica	6
Wood, Dry	4
Wood, Pressed Board	2.3
Wood, Wet	20
X	
Xylene	2.4
Xylene, Liquid	2.4
Xylenol	17



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