

# Tabela dielektričnih konstanti materijala

Dielektrične konstante su date na određenoj temperaturi. Ukoliko se temperatura razlikuje od navedene onda će i dielektrična konstanta biti različita od navedene u spisku.

Proizvodi su poredani po abecedi i engleskim nazivima i grupisani u odeljke po prvom slovu u engleskom nazivu. Koriste se propisani standardni hemijski nazivi. Problem može nastati kod specifičnih naziva jer se na engleskom Cink (Zn) piše za "Z" . Resin je plastika, smola; Asbestos je azbest. Cable je kabl, ali sve u svemu koga interesuje može sigurno pronaći relativnu dielektričnu konstantu za nekoliko stotina proizvoda. Teorija je data na kraju.

## Section A

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

ABS RESIN, LUMP 2.4-4.1

ABS RESIN, PELLET 1.5-2.5

ACENAPHTHENE (70° F ) 3.0

ACETAL (70° F ) 3.6

ACETAL BROMIDE 16.5

ACETAL DOXIME (68° F ) 3.4

ACETALDEHYDE (41° F ) 21.8

ACETAMIDE (68° F ) 41

ACETAMIDE (180° F ) 59.0

ACETANILIDE (71° F ) 2.9

ACETIC ACID (68° F ) 6.2

ACETIC ACID (36° F ) 4.1

ACETIC ANHYDRIDE (66° F ) 21.0

ACETONE (77° F ) 20.7

ACETONE (127° F ) 17.7

ACETONE (32° F ) 1.0159

ACETONITRILE (70° F ) 37.5

ACETOPHENONE (75° F ) 17.3

ACETOXIME (24° F ) 3

ACETYL ACETONE (68° F ) 23.1

ACETYL BROMIDE (68° F ) 16.5

ACETYL CHLORIDE (68° F ) 15.8

ACETYLE ACETONE (68° F ) 25.0

ACETYLENE (32° F ) 1.0217

ACETYLMETHYL HEXYL KETONE (66° F ) 27.9

ACRYLIC RESIN 2.7 - 4.5

ACTEAL 21.0-3.6

AIR 1

AIR (DRY) (68° F ) 1.000536

ALCOHOL, INDUSTRIAL 16-31

ALKYD RESIN 3.5-5

ALLYL ALCOHOL (58° F ) 22.0

ALLYL BROMIDE (66° F ) 7.0

ALLYL CHLORIDE (68° F ) 8.2

ALLYL IODIDE (66° F ) 6.1

ALLYL ISOTHIOCYANATE (64° F ) 17.2

ALLYL RESIN (CAST) 3.6 - 4.5

ALUMINA 9.3-11.5

ALUMINA 4.5

ALUMINA CHINA 3.1-3.9

ALUMINUM BROMIDE (212° F ) 3.4

ALUMINUM FLUORIDE 2.2

ALUMINUM HYDROXIDE 2.2

ALUMINUM OLEATE (68° F ) 2.4

ALUMINUM PHOSPHATE 6.0

ALUMINUM POWDER 1.6-1.8

AMBER 2.8-2.9

AMINOALKYD RESIN 3.9-4.2

AMMONIA (-74° F ) 25

AMMONIA (-30° F ) 22.0

AMMONIA (40° F ) 18.9  
AMMONIA (69° F ) 16.5

AMMONIA (GAS?) (32° F ) .0072

AMMONIUM BROMIDE 7.2

AMMONIUM CHLORIDE 7.0

AMYL ACETATE (68° F ) 5.0

AMYL ALCOHOL (-180° F ) 35.5

AMYL ALCOHOL (68° F ) 15.8

AMYL ALCOHOL (140° F ) 11.2

AMYL BENZOATE (68° F ) 5.1

AMYL BROMIDE (50° F ) 6.3

AMYL CHLORIDE (52° F ) 6.6

AMYL ETHER (60° F ) 3.1

AMYL FORMATE (66° F ) 5.7

AMYL IODIDE (62° F ) 6.9  
AMYL NITRATE (62° F ) 9.1

AMYL THIOCYANATE (68° F ) 17.4

AMYLAMINE (72° F ) 4.6

AMYLENE (70° F ) 2.0

AMYLENE BROMIDE (58° F ) 5.6

AMYLENETETRARARBOXYLATE (66° F ) 4.4

AMYLMERCAPTAN (68° F ) 4.7

ANILINE (32° F ) 7.8

ANILINE (68° F ) 7.3

ANILINE (212° F ) 5.5

ANILINE FORMALDEHYDE RESIN 3.5 - 3.6

ANILINE RESIN 3.4-3.8

ANISALDEHYDE (68° F ) 15.8

ANISALDOXINE (145° F ) 9.2

ANISOLE (68° F ) 4.3

ANTIMONY TRICHLORIDE 5.3

ANTIMONY PENTACHLORIDE (68° F ) 3.2

ANTIMONY TRIBROMIDE (212° F ) 20.9

ANTIMONY TRICHLORIDE (166° F ) 33.0

ANTIMONY TRICHLORIDE 5.3

ANTIMONY TRICODIDE (347° F ) 13.9

APATITE 7.4

ARGON (-376° F ) 1.5

ARGON (68° F ) 1.000513

ARSENIC TRIBROMIDE (98° F ) 9.0

ARSENIC TRICHLORIDE (150° F ) 7.0

ARSENIC TRICHLORIDE (70° F ) 12.4

ARSENIC TRIIODIDE (302° F ) 7.0

ARSINE (-148° F ) 2.5

ASBESTOS 3.0 - 4.8

ASH (FLY ) 1.7 - 2.0

ASPHALT (75° F ) 2.6

ASPHALT, LIQUID 2.5-3.2

AZOXYANISOLE (122° F ) 2.3

AZOXYBENZENE (104° F ) 5.1

AZOXYPHENITOLE (302° F ) 6.8

## Section B

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

BAKELITE 3.5-5.0

BALLAST 5.4-5.6

BALLMILL FEED (CEMENT ) 4.5

BALM, REFUSE 3.1

BARIUM CHLORIDE 9.4

BARIUM CHLORIDE (ANHYD) 11.0

BARIUM CHLORIDE (2H<sub>2</sub>O ) 9.4

BARIUM NITRATE 5.8

BARIUM SULFATE (60° F ) 11.4

BARLEY FLOUR 3.0 - 4.0

BARLEY POWDER 3.0-4.0

BEESWAX 2.7 - 3.0

BENZAL CHLORIDE (68° F ) 6.9

BENZALDEHYDE (68° F ) 17.8

BENZALDOXIME (68° F ) 3.8

BENZENE (68° F ) 2.3

BENZENE (275° F ) 2.1

BENZENE (700° F ) 1.0028

BENZIL (202° F ) 13.0

BENZONITRILE (68° F ) 26.0

BENZOPHENONE (122° F ) 11.4

BENZOPHENONE (68° F ) 13.0

BENZOTRICHLORIDE (68° F ) 7.4

BENZOYL CHLORIDE (70° F ) 22.1

BENZOYL CHLORIDE (32° F ) 23.0

BENZOYLACETONE (68° F ) 29.0

BENZYL ACETATE (70° F ) 5.0

BENZYL ALCOHOL (68° F ) 13.0

BENZYL BENZOATE (68° F ) 4.8

BENZYL CHLORIDE (68° F ) 6.4

BENZYL CYANIDE (68° F ) 18.3

BENZYL CYANIDE (155° F ) 6.0

BENZYL SALICYLATE (68° F ) 4.1

BENZYLAMINE (68° F ) 4.6

BENZYLETHYLAMINE (68° F ) 4.3

BENZYLMETHYLAMINE (67° F ) 4.4

BERYL 6.0

BIPHENYL 20

BIWAX 2.5

BLEACHING POWDER 4.5

BONE BLACK 5.0-6.0

BORNYL ACETATE (70° F ) 4.6

BORON BROMIDE (32° F ) 2.6

BORONYL CHLORIDE (202° F ) 5.2

BROMACEYTAL BROMIDE 12.6

BROMAL (70° F ) 7.6

BROMINE (68° F ) 3.1

BROMINE (32° F ) 1.0128

BROMO-2-ETHOXPENTANE (76° F ) 6.5

BROMOACETYL BROMIDE (68° F ) 12.6

BROMOANILINE (68° F ) 13

BROMOANISOLE (86° F ) 7.1

BROMOBENZENE (68° F ) 5.4

BROMOBUTYLENE (68° F ) 5.8

BROMOBUTYRIC ACID (68° F ) 7.2

BROMOCTADECANE 3.53

BROMODECANE (76° F ) 4.4

BROMODEODECANE (76° F ) 4.1

BROMODOCOSANE (130° F ) 3.1

BROMODOECANE (75° F ) 4.07

BROMOFORM (68° F ) 4.4

BROMOHEPTANE (76° F ) 5.3

BROMOHEXADECANE (76° F ) 3.7

BROMOHEXANE (76° F ) 5.8

BROMOISOVALERIC ACID (68° F ) 6.5

BROMOMETHANE (32° F ) 9.8

BROMONAPHTHALENE (66° F ) 5.1

BROMOOCTADECANE (86° F ) 3.5

BROMOPENTADECANE (68° F ) 3.9

BROMOPHROPIONIC ACID (68° F ) 11.0

BROMOTOLUENE (68° F ) 5.1

BROMOTRIDEDECANE (50° F ) 4.2

BROMOUNDECANE (15° F ) 4.7

BRONYL CHLORIDE (94° F ) 5.21

BUTANE (30° F ) 1.4

BUTANOL (1) (68° F ) 17.8

BUTANONE (68° F ) 18.5

BUTYRIC ANHYDRIDE (20° F ) 12.0

BUTYL CHLORAL (64° F ) 10.0

BUTYL CHLORIDE (68° F ) 9.6

BUTYL OLEATE (77° F ) 4.0

BUTYL STEARATE (80° F ) 3.1  
BUTYLACETATE (66° F ) 5.1  
BUTYLAMINE (70° F ) 5.4  
BUTYRALDEHYDE (79° F ) 13.4  
BUTYRIC ACID (68° F ) 3.0  
BUTYRIC ANHYDRIDE (68° F ) 12.0  
BUTYRONITRILE (70° F ) 20.7

### Section C

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

CABLE OIL (80° F ) 2.2  
CABONDIOXIDE (68° F ) 1.000921  
CALCIM FLUORIDE 7.4  
CALCITE 8.0  
CALCIUM 3.0  
CALCIUM CARBONATE 6.1-9.1  
CALCIUM FLUORIDE 7.4  
CALCIUM OXIDE, GRANULE 11.8  
CALCIUM SULFATE 5.6  
CALCIUM SULFATE (H<sub>2</sub>O ) 5.6  
CALCIUM SUPERPHOSPHATE 14-15  
CAMPHANEDIONE (398° F ) 16.0  
CAMPHENE (68° F ) 2.7  
CAMPHENE (104° F ) 2.3  
CAMPHER, CRYSTAL 10-11  
CAMPHORIC IMIDE 4 (80° F ) 5.5  
CAMPHORPINACONE (68° F ) 3.6  
CAPRILIC ACID (18° F ) 3.2



CAPROIC ACID (160° F ) 2.6

CAPROLACTAM MONOMER 1.7 - 1.9

CAPRYLIC ACID (65° F ) 3.2

CARBIDE 5.8 - 7.0

CARBIDE, POWDER 5.8-7.0

CARBON BLACK 2.5 - 3.0

CARBON DIOXIDE (32° F ) 1.6

CARBON DIOXIDE, LIQUID 1.6

CARBON DISULFIDE, LIQUID 2.6

CARBON DISULPHIDE (68° F ) 2.6

CARBON DISULPHIDE (180° F ) 2.2

CARBON TETRACHLORIDE (68° F ) 2.2

CARNAUBA WAX 2.9

CARVENONE (68° F ) 18.4

CARVOL (64° F ) 11.2

CARVONE (71° F ) 11.0

CASEIN 6.1 - 6.8

CASEIN RESIN 6.7

CASSITERITE 23.4

CASTOR OIL (60° F ) 4.7

CASTOR OIL (80° F ) 2.6

CASTOR OIL (HYDROGENATED ) (80° F ) 10.3

CEDRENE (76° F ) 3.2

CELLOPHANE 3.2-6.4

CELLULOID 3.3-11

CELLULOSE 3.2-7.5

CELLULOSE ACETATE 3.2-7

CELLULOSE ACETATE (MOLDING ) 3.2 - 7.0

CELLULOSE ACETATE (SHEET ) 4.0 - 5.5

CELLULOSE ACETATE BUTYRATE 3.2 - 6.2

CELLULOSE NITRATE (PROXYLIN ) 6.4

CEMENT 1.5 - 2.1

CEMENT (PLAIN ) 1.5 - 2.1

CEMENT, PORTLAND 2.5-2.6

CEMENT, POWDER 5-10

CEREALS (DRY ) 3.0 - 5.0

CERESE WAX 2.4

CESIUM IODINE 5.6

CETYL IODIDE (68° F ) 3.3

CHARCOAL 1.2-1.81

CHINAWARE, HARD 4-7

CHLORACETIC ACID (140° F ) 12.3

CHLORACETONE 29.8

CHLORAL (68° F ) 4.9

CHLORHEXANONE OXIME 3

CHLORINE (-50° F ) 2.1

CHLORINE (32° F ) 2.0

CHLORINE (142° F ) 1.5

CHLORINE, LIQUID 2

CHLOROACETIC ACID (68° F ) 21.0

CHLOROACETONE (68° F ) 29.8

CHLOROBENZENE (77° F ) 5.6

CHLOROBENZENE (100° F ) 4.7

CHLOROBENZENE (230° F ) 4.1

CHLOROBENZINE, LIQUID 5.5-6.3

CHLOROCYCLOHEXANE (76° F ) 7.6  
CHLOROFORM (32° F) 5.5

CHLOROFORM (68° F ) 4.8

CHLOROFORM (212° F ) 3.7

CHLOROHEPTANE (71° F ) 5.5

CHLOROHEXANONE OXIME (192° F ) 3.0

CHLOROHYDRATE (68° F ) 3.3

CHLOROMETHANE -4 12.6

CHLORONAPHTHALENE (76° F ) 5.0

CHLOROOCCTANE (76° F ) 5.1

CHLOROPHETANE 5.4

CHLOROTOLUENE (68° F ) 4.7

CHLOROTOLUENE, LIQUID 4-4.5

CHOLESTERIN 2.86

CHOLESTRAL (80° F ) 2.9

CHORINE (170° F ) 1.7

CHROME, ORE 7.7-8.0

CHROME, PURE 12

CHROMITE 4.0-4.2

CHROMYL CHORIDE (68° F ) 2.6

CINNAMALDEHYDE (75° F ) 16.9

CIS-3-HEXENE (76° F ) 2.1

CITRACONIC ANHYDRIDE (68° F ) 40.3

CITRACONIC NITRILE 27

CLAY 1.8 - 2.8

CLINKER (CEMENT ) 2.7

COAL TAR 2.0-3.0

COAL, POWDER, FINE 2-4

COCAINE (68° F ) 3.1

COFFEE REFUSE 2.4-2.6

COKE 1.1 - 2.2

COMPOUND 3.6

COPPER CATALYST 6.0 - 6.2

COPPER OLEATE (68° F ) 2.8

COPPER OXIDE 18.1

CORDERITE 2.5 - 5.4

CORN 5-10

CORN (DRY GRANULARS ) 1.8

CORN, REFUSE 2.3-2.6

CORNING GLASS 6.5

COTTON 1.3-1.4

COTTON SEED OIL 3.1

CO<sub>2</sub> (32° F ) 1.6

CREOSOL (63° F ) 10.6

CRESOL (75° F ) 5.0

CRESOL, LIQUID 9-11

CROTONIC NITRICE (68° F ) 28.0

CRYSTALE 3.5-4.7

CUMALDEHYDE (59° F ) 11.0

CUMENE (68° F ) 2.4

CUMICALDEHYDE (58° F ) 10.7

CUPRIC OLEATE 2.8

CUPRIC OXIDE (60° F ) 18.1

CUPRIC SULFATE 10.3  
CUPRIC SULFATE (ANHYD ) 10.3  
CUPRIC SULFATE (5H<sub>2</sub>O) 7.8  
CYANOACETIC ACID (40° F ) 33.0  
CYANOETHYL ACETATE (68° F ) 19.3  
CYANOGEN (73° F ) 2.6  
CYCLOHEDANE (20° F ) 2.0  
CYCLOHENANONE (68° F ) 18.2  
CYCLOHEPTASILOXANE (68° F ) 2.7  
CYCLOHEXANE (68° F ) 2.0  
CYCLOHEXANE, LIQUID 18.5  
CYCLOHEXANECARBOXYLIC ACID (88° F ) 2.6  
CYCLOHEXANEMETHANOL (140° F ) 9.7  
CYCLOHEXANOL (77° F ) 15.0  
CYCLOHEXANONE (68° F ) 18.2  
CYCLOHEXANONE OXIME (192° F ) 3.0  
CYCLOHEXENE (68° F ) 18.3  
CYCLOHEXYLAMINE-5 5.3  
CYCLOHEXYLPHENOL (130° F )  
4.0 CYCLOHEXYLTRIFLUOROMETHANE-1 (68° F ) 11.0  
CYCLOPENTANE (68° F ) 2.0  
CYMENE 62 2.3

#### Section D

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

D-COCAINE 3.1

D.M.T. (DACRON POWDER) 1.33

DECAHYDRONAPHTOLENE (68° F ) 2.2

DECAMETHYLCYCLOPENTASILOXANE (68° F ) 2.5

DECAMETHYLTETRAASILOXANE (68° F ) 2.4

DECANAL 8.1

DECANE (68° F ) 2.0

DECANOL (68° F ) 8.1

DECYLENE (62° F ) 2.7

DECYNE (68° F ) 2.2

DEUTERIUM (68° F ) 1.3

DEUTERIUM OXIDE (77° F ) 78.3

DEXTRIN 2.2-2.4

DIACETOXYBUTANE (76° F ) 6.64

DIALLYL SULFIDE (68° F ) 4.9

DIAMOND 5.5 - 10.0

DIAPHENYLMETHANE 2.7

DIAPLMITIN 3.5

DIBENZOFURAN (212° F ) 3.0

DIBENZYL SEBACATE (68° F ) 4.6

DIBENZYLAMINE (68° F ) 3.6

DIBROHEPTANE (24° F ) 5.08

DIBROMOBENZENE (68° F ) 8.8

DIBROMOBUTANE (68° F ) 5.7

DIBROMOETHYLENE (CIS-1, 2 ) (32° F ) 7.7

DIBROMOHEPTANE (76° F ) 5.1

DIBROMOHEXANE (76° F ) 5.0

DIBROMOMETHANE (50° F ) 7.8

DIBROMOPROPANE (68° F ) 4.3

DIBROMOPROPYL ALCOHOL (70° F ) 9.1

DIBUTYL PHTHALATE (86° F ) 6.4  
DIBUTYL SEBACATE (86° F ) 4.5  
DIBUTYL TARTRATE 109 9.4  
DICHLORACETIC ACID (20° F ) 10.7  
DICHLORACETIC ACID (72° F ) 8.2  
DICHLORACETONE (68° F ) 14.0  
DICHLOROBENZENE (127° F ) 2.8  
DICHLOROETHANE (68° F ) 16.7  
DICHLOROETHANE (1,2)(77° F ) 10.3  
DICHLOROETHYLENE (62° F ) 4.6  
DICHLOROMETHANE (68° F ) 9.1  
DICHLOROSTYRENE (76° F ) 2.6  
DICHLOROTOLUENE (68° F ) 6.9  
DICTYL PHTHALATE 5.1  
DICYCLOHEXYL ADIPATE (95° F ) 4.8  
DIEBENZYLAMINE (68° F ) 3.6  
DIESEL FUEL (70° F ) 4.0  
DIETHYL BENZALMALONATE (32° F ) 8.0  
DIETHYL DISULFIDE (66° F ) 15.9  
DIETHYL DL-MALATE (64° F ) 10.2  
DIETHYL GLUTARATE (86° F ) 6.7  
DIETHYL I-MALATE 9.5  
DIETHYL KETONE (58° F ) 17.3  
DIETHYL L-MALATE (68° F ) 9.5  
DIETHYL MALONATE (70° F ) 7.9  
DIETHYL OXALATE (70° F ) 8.2  
DIETHYL OXALOACETATE (66° F ) 6.1

DIETHYL RACEMATE (68° F ) 4.5

DIETHYL SEBACATE (86° F ) 5.0

DIETHYL SUCCINATE (86° F ) 6.6

DIETHYL SUCCINOSUCCINATE (66° F ) 2.5

DIETHYL SULFIDE (68° F ) 7.2

DIETHYL SULFITE (68° F ) 15.9

DIETHYL TARTRATE (68° F ) 4.5

DIETHYL ZINC (68° F ) 2.6

DIETHYL 1-MALATE (68° F ) 9.5

DIETHYL-DIMALATE 10.2

DIETHYLAMINE (68° F ) 3.7

DIETHYLANILINE (66° F ) 5.5

DIHYDROCAROONE (66° F ) 8.7

DIHYDROCARVONE (66° F ) 8.5

DIIMYLAMINE (64° F ) 2.5

DIIOAMYLENE (62° F ) 2.4

DIIDOETHYLENE 1 (80° F ) 4.0

DIIDOMETHANE (77° F ) 5.3

DIISOAMYL (62° F ) 2.0

DIISOAMYLENE 2.4

DIISOBUTYLAMINE (71° F ) 2.7

DIMETHOXYBENZENE (73° F ) 4.5

DIMETHYL ETHYL (68° F ) 11.7

DIMETHYL ETHYL CARBINOL (68° F ) 11.7

DIMETHYL MALONATE (68° F ) 10.4

DIMETHYL OXALATE (68° F ) 3.0

DIMETHYL PENTANE (20° F ) 1.912



DIMETHYL PHTHALATE (75° F ) 8.5

DIMETHYL SULFATE (68° F ) 55.0

DIMETHYL SULFIDE (68° F ) 6.3

DIMETHYL-1-HYDROXYBENZENE (62° F ) 4.8

DIMETHYL-2-HEXANE (68° F ) 2.4

DIMETHYLAMINE (32° F ) 6.3

DIMETHYLANILINE (68° F ) 4.4

DIMETHYLBROMOETHYLENE (68° F ) 6.7

DIMETHYLHEPTANE (68° F ) 1.9

DIMETHYLPENTANE (68° F ) 1.9

DIMETHYLQUINOXALINE (76° F ) 2.3

DIMETHYLTUOUIDINE (68° F ) 3.3

DINITROGEN OXIDE (32° F ) 1.6

DINITROGEN TETROXIDE (58° F ) 2.5

DIOCTYL PHTHALATE (76° F ) 5.1

DIOXANE 1,4 (77° F ) 2.2

DIPALMITIN (161° F ) 3.5

DIPENTENE (68° F ) 2.3

DIPENYLAMINE (125° F ) 3.3

DIPHEMYLETHANE (230° F ) 2.4

DIPHEMYLETHANE (62° F ) 12.6

DIPHENYL 1(66° F ) 2.5

DIPHENYL ETHER (82° F ) 3.9

DIPHENYLAMINE (124° F ) 3.3

DIPHENYLETHANE (110° F ) 2.38

DIPHENYTMETHANE (62° F ) 2.6

DIPROPYL KETONE (62° F ) 12.6

DIPROPYLAMINE (70° F ) 2.9

DISTEARIN (172° F ) 3.3

DOCOSANE (122° F ) 2.0

DODECAMETHYLCYCLOHEXISLOXANE (68° F ) 2.6

DODECAMETHYLPENTASILOXANE (68° F ) 2.5

DODECANE (68° F ) 2.0

DODECANOL (76° F ) 6.5

DODECYNE (76° F ) 2.2

DOLOMITE 6.8-8.0

DOWTHERM (70° F ) 3.4

## Section E

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

EBONITE 2.5-2.9

EMERY SAND 16.5

EPICHLORCHYDRIN (68° F ) 22.9

EPOXY RESIN (CAST ) 3.6

ETHANEDIAMINE (68° F ) 14.2

ETHANETHIOL (58° F ) 6.9

ETHANETHIOLIC ACID (68° F ) 13.0

ETHANOL (77° F ) 24.3

ETHELENE DIAMINE (18° F ) 16.0

ETHELENE OXIDE -1 13.9

ETHOXY-3-METHYLBUTANE (68° F ) 4.0

ETHOXYBENZENE (68° F ) 4.2

ETHOXYETHYL ACETATE (86° F ) 7.6

ETHOXYNAPHTHALONE (66° F ) 3.3

ETHOXPENTANE (73° F ) 3.6

ETHOXYTOLUENE (68° F ) 3.9

ETHYL ACETATE (77° F ) 6.0

ETHYL ACETOACETATE (71° F ) 15.9

ETHYL ACETONEOXALATE (66° F ) 16.1

ETHYL ACETOPHENONEOXALATE (66° F ) 3.3

ETHYL ALCOHOL (77° F ) 24.3

ETHYL ALCOHOL (SEE ETHANOL)

ETHYL AMYL ETHER (68° F ) 4.0

ETHYL BENZENE (68° F ) 2.5

ETHYL BENZOATE (68° F ) 6.0

ETHYL BENZOYLACETATE (68° F ) 12.8

ETHYL BENZOYLACETOACETATE (70° F ) 8.6

ETHYL BENZYL ETHER (68° F ) 3.8

ETHYL BROMIDE (64° F ) 4.9

ETHYL BROMOISOBUTYRATE (68° F ) 7.9

ETHYL BROMOPROPIONATE (68° F ) 9.4

ETHYL BUTYRATE (66° F ) 5.1

ETHYL CARBONATE (68° F ) 3.1

ETHYL CARBONATE (121° F ) 14.2

ETHYL CELLULOSE 2.8 - 3.9

ETHYL CHLORACETATE (68° F ) 11.6

ETHYL CHLOROFORMATE (68° F ) 11.3

ETHYL CHLOROPROPIONATE (68° F ) 10.1

ETHYL CINNAMATE (66° F ) 5.3

ETHYL CYANOACETATE (68° F ) 27.0

ETHYL CYCLOBUTANE (68° F ) 2.0

ETHYL DODECANOATE (68° F ) 3.4

ETHYL ETHER (-148° F ) 8.1

ETHYL ETHER (-40° F ) 5.7

ETHYL ETHER (68° F ) 4.3  
ETHYL ETHOXYBENZOATE (70° F ) 7.1

ETHYL FORMATE (77° F ) 7.1

ETHYL FORMYLPHENYLACETATE (68° F ) 3.0

ETHYL FUMARATE (73° F ) 6.5

ETHYL HYDROXY-TETRACARBOXYLATE 5.9

ETHYL HYDROXY-TETROCARBOXYLATE 2.7

ETHYL HYDROXYMETHYLENPHENYLACET 5.00

ETHYL HYDROXYMETHYLENOMALONATE 6.6

ETHYL IODIDE (68° F ) 7.4

ETHYL ISOTHIOCYANATE (68° F ) 19.7

ETHYL LEVULINETE (70° F ) 12.1

ETHYL MALEATE (73° F ) 8.5

ETHYL MERCAPTAN (68° F ) 8.0

ETHYL NITRATE (68° F ) 19.7

ETHYL OLEATE (80° F ) 3.2

ETHYL PALMITATE (68° F ) 3.2

ETHYL PHENYLACETATE (70° F ) 5.4

ETHYL PROPIONATE (68° F ) 5.7

ETHYL SALICYLATE (70° F ) 8.6

ETHYL SILICATE (68° F ) 4.1

ETHYL STEARATE (104° F ) 3.0

ETHYL THIOCYANATE (68° F ) 29.6

ETHYL TRICHLORACETATE (68° F ) 7.8

ETHYL UNDECANOATE (68° F ) 3.6

ETHYL VALERATE (68° F ) 4.7  
ETHYL 1-BROBUTYRATE (68° F ) 8.0  
ETHYL 2-IODOPROPIONATE (68° F ) 8.8  
ETHYLAMINE (70° F ) 6.3  
ETHYLANILINE (68° F ) 5.9  
ETHYLBENZENE (76° F ) 3.0  
ETHYLENE CHLORIDE (68° F ) 10.5  
ETHYLENE CHLOROXYDRIN (77° F ) 26.0  
ETHYLENE CYANIDE (136° F ) 58.3  
ETHYLENE DIAMINE (64° F ) 16.0  
ETHYLENE GYLCOL (68° F ) 37.0  
ETHYLENE IODIDE 3.4  
ETHYLENE OXIDE 25 14.0  
ETHYLENE TETRAFLORIDE 1.9-2.0  
ETHYLENECHLOROXYDRIN (75° F ) 25.0  
ETHYLENEDIAMINE (64° F ) 16.0  
ETHYLIC RESIN 2.2-2.3  
ETHYLPENTANE (68° F ) 1.9  
ETHYLTOLUENE (76° F ) 2.2  
ETIBINE (-58° F ) 2.5  
EUGENOL (64° F ) 6.1

#### Section F

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

FAB (FROM BOX, 8% MOISTURE ) 1.3  
FENCHONE (68° F ) 12.0  
FERMANIUM TETRACHLORIDE (76° F ) 2.4  
FERRIC OLEATE (68° F ) 2.6

FERROCHROMIUM 1.5-1.8  
FERROMANGANESE 5.0-5.2  
FERROUS OXIDE (60° F ) 14.2  
FERROUS SULFATE (58° F ) 14.2  
FLOUR 2.5-3.0  
FLOURINE (-332° F ) 1.5  
FLOURSPAR 6.8  
FLUOROTOLUENE (86° F ) 4.2  
FLY ASH 1.9 - 2.6  
FORMALIN 23  
FORMAMIDE (68° F ) 84.0  
FORMIC ACID (60° F ) 58.0  
FORSTERITE 6.2  
FREON 11 (70° F ) 3.1  
FREON 113 (70° F ) 2.6  
FREON 12 (70° F ) 2.4  
FULLER'S EARTH 1.8 - 2.2  
FURAN (77° F ) 3.0  
FURFURAL (68° F ) 42.0  
FURFURALDEHYDE (68° F ) 41.9

#### Section G

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

GASOLINE (70° F ) 2.0  
GERBER OATMEAL (IN BOX ) 1.5  
GERMANIUM TETRACHLORIDE (77° F ) 2.4  
GLASS 3.7-10  
GLASS (SILICA ) 3.8

GLASS, BEAD 3.1

GLASS, GRANULE 6-7

GLASS, RAW MATERIAL 2.0-2.5

GLUCOHEPTITOL (248° F ) 27.0

GLYCERIN, LIQUID 47-68

GLYCEROL (77° F ) 42.5

GLYCEROL (32° F ) 47.2

GLYCEROL PHTHALATE (CAST ALKYD ) 3.7 - 4.0

GLYCERYL TRIOCTATE (70° F ) 6.0

GLYCOL (77° F ) 37.0

GLYCOL (122° F ) 35.6

GLYCOLIC NITRILE (68° F ) 27.0

GRAIN 3-8

GRAPHITE 12-15

GUAIACOL 0 11.0

GYPSUM 2.5-6.0

## Section H

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

HAGEMANNIE ESTER (68° F ) 10.6

HALOWAX 4.5

HEAVY OIL 3

HEAVY OIL, C 2.6

HELIUM-3(58° F ) 1.055

HELIUM, LIQUID 1.05

HEPTADECANONE (140° F ) 5.3

HEPTANE (68° F ) 1.9

HEPTANE, LIQUID 1.9-2.0

HEPTANOIC ACID 2.5

HEPTANOIC ACID (71° F ) 2.59

HEPTANONE (68° F ) 11.9

HEPTANOIC ACID (160° F ) 2.6

HEPTYL ALCOHOL (70° F ) 6.7

HEXAMETHYLDISILOXANE (68° F ) 2.2

HEXANE (-130° F ) 2.0

HEXANOL (77° F ) 13.3

HEXANONE (59° F ) 14.6

HEXDECAMETHYLCYCLOHEPTASILOXANE (68° F ) 2.7

HEXYL IODIDE (68° F ) 6.6

HEXYLENE (62° F ) 2.0

HEXYLIODIDE (68° F ) 6.6

HYDRAZINE (68° F ) 52.0

HYDROCHLORIC ACID 4.12

HYDROCYANIC ACID (70° F ) 2.3

HYDROCYANIC ACID (32° F ) 158.0

HYDROGEN (440° F ) 1.23

HYDROGEN (212° F ) 1.000284

HYDROGEN IODIDE (72° F ) 2.9

HYDROGEN BROMIDE (24° F ) 3.8

HYDROGEN BROMIDE (-120° F ) 7.0

HYDROGEN CHLORIDE (82° F ) 4.6

HYDROGEN CHLORIDE (-188° F ) 12.0

HYDROGEN CYANIDE (70° F ) 95.4

HYDROGEN FLUORIDE (32° F ) 84.2

HYDROGEN FLUORIDE (-100° F ) 17



HYDROGEN IODIDE( 72° F ) 2.9

HYDROGEN PEROXIDE (32° F ) 84.2

HYDROGEN SULFIDE (-84° F ) 9.3

HYDROGEN SULFIDE (48° F ) 5.8

HYDROXY-4-METHY-2-PENTANONE (76° F ) 18.2

HYDROXYMETHYLENE CAMPHOR (86° F ) 5.2

HYDROXYMETHYLENEHYDROXYMETHYLENE-  
ACETOACETATE 7.8

HYDROXYMETHYLENEBENZYL CYANIDE (68° F ) 6.0

HYDROZINE (68° F ) 52.9

## Section I

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

IDO-IODOHEXADECANE (68° F ) 3.5

IDOHEPTANE (71° F ) 4.9

IDOHEXANE (68° F ) 5.4

IDOMETHANE (68° F ) 7.0

IDOPOCTANE (76° F ) 4.6

IDOTOLUENE (68° F ) 6.1

ILMENITE 6.0 - 7.0

INADOL (140° F ) 7.8

INDONOL (60° F ) 7.8

IODINE (107° F ) 118.0

IODINE 11

IODINE (250° F ) 118.0

IODINE (Granular) 4.0

IODIOCTANE 4.6

IODLOCTANE (24° F ) 4.62

IODOBENZENE (68° F ) 4.6  
IODOHEPTANE (22° F ) 4.92  
IODOHEXANE (20° F ) 5.37  
IODOMETHANE (20° F ) 7.0  
IODOTOLUENE (20° F ) 6.1  
IRON OXIDE 14.2  
ISO BUTYL ALCOHOL 18.7-31.7  
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 (68° F ) 2.6  
ISO-BUTYL ALCOHOL (-112° F ) 31.7  
ISO-BUTYL ALCOHOL (32° F ) 20 .5  
ISO-BUTYL ALCOHOL (68° F ) 18.7  
ISO-BUTYL IODIDE (68° F ) 5.8  
ISO-BUTYL NITRATE (66° F ) 11.9  
ISO-BUTYLACETATE (68° F ) 5.6  
ISO-BUTYLAMINE (70° F ) 4.5  
ISO-BUTYRIC ACID (68° F ) 2.7  
ISO-BUTYRONITRILE 23.9- 20.8  
ISO-BUTYRONITRILE (75° F ) 20.8  
ISO-IODOHEXADECANE 3.5  
ISO-PROPYL ALCOHOL (68° F ) 18.3  
ISO-PROPYL NITRATE (66° F ) 11.5  
ISO-VALERIC ACID (68° F ) 2.7

ISOAMYL VALERATE (19° F ) 3.6

ISOAMYL ACETATE (68° F ) 5.6

ISOAMYL ALCOHOL (74° F ) 15.3  
ISOAMYL BROMIDE (76° F ) 6.1

ISOAMYL BUTYRATE (68° F ) 3.9

ISOAMYL CHLORACETATE (68 F ) 7.8

ISOAMYL CHLORIDE (64° F ) 6.4

ISOAMYL CHLOROACETATE 7.8

ISOAMYL CHLOROFORMATE (68° F ) 7.8

ISOAMYL IODIDE (65° F ) 5.6

ISOAMYL PROPIONATE (68° F ) 4.2

ISOAMYL SALICYLATE (68° F ) 5.4

ISOAMYL VALERATE (66° F ) 3.6

ISOAMYLPROPIONATE 4.2

ISOBUTHYL RESIN 1.4-2.1

ISOBUTYL ACETATE (68° F ) 5.6

ISOBUTYL ALCOHOL (68° F ) 18.7

ISOBUTYL BENZOATE (68° F ) 5.9

ISOBUTYL BROMIDE (20° F ) 4.0

ISOBUTYL BROMIDE (68° F ) 6.6

ISOBUTYL BUTYRATE (68° F ) 4.0

ISOBUTYL CHLORIDE (68° F ) 7.1

ISOBUTYL CHLOROFORMATE (68° F ) 9.2

ISOBUTYL CYANIDE (74° F ) 13.3

ISOBUTYL FORMATE (66° F ) 6.5

ISOBUTYL IODIDE (68° F ) 5.8

ISOBUTYL NITRATE (66° F ) 11.9

ISOBUTYL RININOLEATE (70° F ) 4.7

ISOBUTYL VALERATE (66° F ) 3.8  
ISOBUTYLAMINE (70° F ) 4.5  
ISOBUTYLBENZENE (62° F ) 2.3  
ISOBUTYLBENZOATE (68° F ) 5.9  
ISOBUTYLENE BROMIDE (68° F ) 4.0  
ISOBUTYRIC ACID (68° F ) 2.6  
ISOBUTYRIC ACID (122° F ) 2.7  
ISOBUTYRIC ANHYDRIDE (68° F ) 13.9  
ISOBUTYRONITRILE (77° F ) 20.8  
ISOCAPRONITRILE (68° F ) 15.7  
ISOOCTANE 2.1-2.3  
ISOPHTHALIC ACID 1.4  
ISOPRENE (77° F ) 2.1  
ISOPROPYL ALCOHOL 18.3  
ISOPROPYL BENZENE (68° F ) 2.4  
ISOPROPYL NITRATE 11.5  
ISOPROPYLAMINE (68° F ) 5.5  
ISOPROPYLEETHER (77° F ) 3.9  
ISOQUINOLINE (76° F ) 10.7  
ISOSAFROL (70° F ) 3.4

## Section J

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

JET FUEL (JP4) (70° F ) 1.7

JET FUEL (MILITARY JP4) 1.7

## Section K

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

KENT WAX 6.5-7.5

KEROSENE (70° F ) 1.8

KYNAR 2.0

## Section L

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

LACTIC ACID (61° F ) 22.0

LACTRONITRILE (68° F ) 38.4

LAD OXIDE 25.9

LEAD ACETATE 2.5

LEAD CARBONATE (60° F ) 18.1

LEAD CHLORIDE 4.2

LEAD NITRATE 37.7

LEAD NOMOXIDE (60° F ) 25.9

LEAD OLEATE (64° F ) 3.2

LEAD OXIDE 25.9

LEAD SULFATE 14.3

LEAD SULFITE 17.9

LEAD TETRACHLORIDE (68° F ) 2.8

LIME 2.2 - 2.5

LIMONENE (68° F ) 2.3

LINDE 5A MOLECULAR SIEVE, DRY 1.8

LINOLEIC ACID (32° F ) 2.6 - 2.9

LINSEED OIL 3.2-3.5

LIQUIFIED AIR 1.5

LIQUIFIED HYDROGEN 1.2

LITHIUM CHLORIDE 11.1

LONONE (65° F ) 10.0

LPG 1.6-1.9

### Section M

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

m-BROMOANILINE (66° F ) 13.0

m-BROMOTOLUENE (137° F ) 5.4

m-CHLOROANILINE (66° F ) 13.4

m-CHLOROTOLUENE (68° F ) 5.6

m-CREOSOL 5

p-CRESOL (24° F ) 5.0

o-CRESOL (77° F ) 11.5

m-DICHLOROBENZENE (77° F ) 5.0

m-DINITRO BENZENE (68° F ) 2.8

m-NITROTOLUENE (68° F ) 23.8

m-XYLENE 2.4

m-TOLUIDINE (64° F ) 6.0

m-XYLENE (68° F ) 2.4

MANGANESE DIOXIDE 5-5.2

MAGNESIUM OXIDE 9.7

MAGNESIUM SULFATE 8.2

MALACHITE 7.2

MALEIC ANHYDRIDE (140° F ) 51.0

MALOLIC ANHYDRIDE 51

MALONIC NITRILE (97° F ) 47.0

MANDELIC NITRILE (73° F ) 18.1

MANDELITRILE (73° F ) 17.0

MANNITOL (71° F ) 3.0

MARGARINE, LIQUID 2.8-3.2

MELAMINE FORMALDEHYDE (MF )

(MF ) MOLDING RESIN 5.5 - 6.0

(MF ) WITH ALPHA CELLULOSE FILLER 7.2 - 8.2

(MF ) WITH ASBESTOS FILLER 6.1 - 6.7

(MF ) WITH CELLULOSE FILLER 4.7 - 7.0

(MF ) WITH FLOCK FILLER 5.0 - 6.0

(MF ) WITH MACERATED FABRIC FILLE 6.5 - 6.9

MELAMINE RESIN 4.7-10.9

MENTHOL (42° F) 3.95

MENTHOL (107° F) 4.0

MENTHONOL (43° F) 2.1

MENTHONOL (110° F) 2.1

MERCURIC CHLORIDE 3.2

MERCUROUS CHLORIDE 9.4

MERCURY (298° F ) 1.00074

MERCURY CHLORIDE 7-14

MERCURY DIETHYL (68° F) 2.3

MESITYL OXIDE (68° F) 15.4

MESITYLENE (68° F) 2.4

MESITYLENE 3.4

METHAL CYANOACETATE (69° F) 29.4

METHALLMINE (77° F) 9.4

METHANE (-280° F ) 1.7

METHANE, LIQUID 1.7

METHANOL (77° F ) 32.6

METHYLENE IODIDE 5.1

METHOXY-4-METHYLPHENOL (60° F ) 11.0

METHOXYBENZENE (76° F ) 4.3

METHOXYETHYL STEARATE (140° F ) 3.4

METHOXYPHENOL (82° F ) 11.0

METHOXYTOLUENE (68° F ) 3.5

METHYL ACETATE (77° F ) 6.7

METHYL ACETOPHENONEOXALATE (64° F ) 2.8

METHYL ALCOHOL (-112° F ) 56.6

METHYL ALCOHOL (32° F ) 37.5

METHYL ALCOHOL (68° F ) 33.1

METHYL BENZOATE (68° F ) 6.6

METHYL BUTANE (68° F ) 1.8

METHYL BUTYL KETONE (62° F ) 12.4

METHYL BUTYRATE (68° F ) 5.6

METHYL CHLORIDE (77° F ) 12.9

METHYL CHLOROACETATE (68° F ) 12.9

METHYL ETHER (78° F ) 5.0

METHYL ETHYL KETONE (72 ° F ) 18.4

METHYL ETHYL KETOXIME (68° F ) 3.4

METHYL FORMATE (68° F ) 8.5

METHYL HEPTANOL (68° F ) 5.3

METHYL IODIDE (68° F ) 7.1

METHYL KEXYL KETONE (62° F ) 10.7

METHYL METHACRYLATE (CAST ) 2.7 - 3.2

METHYL NITROBENZOATE (80° F ) 27.0

METHYL O-METHOXYBENZOATE (70° F ) 7.8



METHYL P-TOLUATE (91° F ) 4.3

METHYL PROPIONATE (66° F ) 5.4

METHYL PROPYL KETONE (58° F ) 16.8

METHYL SALICYLATE (68° F ) 9.0

METHYL THIOCYANATE (68° F ) 35.9

METHYL VALERATE (66° F ) 4.3

METHYL 5 KETOCYCLOHEXYLENE (68° F ) 24.0

METHYL-1-CYCLOPENTANOL (35° F ) 6.9

METHYL-2 4-PENTANDEIOL (86° F ) 24.4

METHYL-2-PENTANONE (68° F ) 13.1

METHYLAL (68° F ) 2.7

METHYLANILINE (68° F ) 6.0

METHYLBENZYLAMINE (65° F ) 4.4

METHYLCYCLOHEXANOL (68° C ) 13.0

METHYLCYCLOHEXANONE (192° F ) 18.0

METHYLCYCLOPENTANE (68° F ) 2.0

METHYLENE IODIDE (70° F ) 5.1

METHYLENEACETOACETATE (70° F ) 7.8

METHYLENEMALONATE (72° F ) 6.6

METHYLENENPHENYLACETATE (68° F ) 5.0

METHYLETHER, LIQUID 5

METHYLHEXANE (68° F ) 1.9

METHYLISOCYANATE (69° F ) 29.4

METHYLOCTANE (69° F ) 30.0

METHYLOMINE (21° F ) 10.5

METHYLPHENYL HYDRAZIN (66° F ) 7.3

METHYLPYRIDINE (2) (68° F ) 9.8

METNOXY-FOUR-METHYL PHENOL 11

MICA 2.6-3.2

MICA 7.0

MICA (GLASS BONDED) 6.9 - 9.2

MICANITE 1.8-2.6

MILLS (DRY POWDER) 1.8

MINERAL OIL (80° F ) 2.1

MONOMYRISTIN (158° F ) 6.1

MONOPALMITIN (152° F ) 5.3

MONOSTEARIN (170° F ) 4.9

MORPHOLINE (77° F ) 7.3

## Section N

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

n-BUTYL ALCOHOL (66° F ) 7.8

n-BUTYL BROMIDE (68° F ) 6.6

n-BUTYL FORMATE (-317°F) 2.4

n-BUTYL IODIDE (77° F ) 6.1

n-BUTYLACETATE (19° F ) 5.1

n-BUTYRICAID (68° F ) 2.9

n-HEXANE (68° F ) 1.9

n-METHYLANILINE (68° F ) 6.0

n-PENTANE (68° F ) 1.8

NAPHTHY ETHYL ETHER (67° F ) 3.2

NAPHTHALENE (185° F ) 2.3

NAPHTHALENE (68° F ) 2.5

NAPTHONITRILE (70° F ) 6.4

NAPHTHYL ETHYL ETHER (67° F ) 3.2

NEON (68° F ) 1.000127

NEOPRENE 6-9

NITROANISOLE (68° F ) 24.0

NITROBENZAL DOXIME (248° F ) 48.1

NITROBENZENE (68° F ) 35.7

NITROBENZENE (77° F ) 34.8

NITROBENZENE (176° F ) 26.3

NITROBENZYL ALCOHOL (68° F ) 22.0

NITROCELLULOSE 6.2-7.5

NITROETHANE (68° F ) 19.7

NITROGEN (336° F ) 1.454

NITROGEN (68° F ) 1.000580

NITROGLYCERIN (68° F ) 19.0

NITROMETHANE 22.7-39.4

NITROMETHANE (68° F ) 39.4

NITROSODIMETHYLAMINE (68° F ) 54.0

NITROSYL BROMIDE (4° F ) 13.0

NITROSYL CHLORIDE (10° F ) 18.0

NITROTOLUENE (68° F ) 1.96

NITROUS OXIDE (32° F ) 1.6

NONANE (68° F ) 2.0

NYLON 4.0 - 5.0

NYLON RESIN 3.0 - 5.0

## Section O

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

o-BROMOTOLUENE (137° F ) 4.3

o-CHLOROPHENOL (66° F ) 8.2

o-CHLOROTOLUENE (68° F ) 4.5

o-CRESOL (77° F ) 11.5

o-DICHLOROBENZENE (77° F ) 7.5

o-NITRO ANILINE (194° F ) 34.5

o-NITROTOLUENE (68° F ) 27.4

o-TOLUIDINE (64° F ) 6.3

o-XYLENE (68° F ) 2.6

OCTADECANOL 3.42

OCTADECANOL (136° F ) 3.4

OCTAMETHYLCYCLOTETRASILOXANE (68° F ) 2.4

OCTAMETHYLTRISILOXANE (68° F ) 2.3

OCTANE (24° F ) 1.061

OCTANE (68° F ) 2.0

OCTANONE (68° F ) 10.3

OCTENE (76° F ) 2.1

OCTYL ALCOHOL (64° F ) 3.4

OCTYL IODIDE (68° F ) 4.9

OCTYLENE (65° F ) 4.1

OIL, PEANUT (52° F ) 3.0

OIL, ALMOND (68° F ) 2.8

OIL, COTTON SEED (57° F ) 3.1

OIL, GRAPSEED (61° F ) 2.9

OIL, LEMON (70° F ) 2.3

OIL, LINSEED 3.4

OIL, OLIVE (68° F ) 3.1

OIL, PARAFFIN (68° F ) 2.2 - 4.7

OIL, PETROLEUM (68° F ) 2.1  
OIL, PYRANOL (68° F ) 5.3  
OIL, SESAME (55° F ) 3.0  
OIL, SPERM (68° F ) 3.2  
OIL, TERPENTINE (68° F ) 2.2  
OIL, TRANSFORMER (68° F ) 2.2  
OLEIC ACID (68° F ) 2.5  
OLERIC ACID 2.4-2.5  
ONE-DICHLOROETHANE 10.7  
ONE-DIETHOXYETHANE 3.8  
OPAL WAX 3.1  
ORGANIC COLD MOLDING COMPOUND 6.0  
OXYGEN (-315° F ) 1.51  
OXYGEN (68° F ) 1.000494

#### Section P

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

p-BROMOTOLUENE (137° F ) 5.5  
p-CHLOROPHENOL (130° F ) 9.5  
p-CHLOROTOLUENE (68° F ) 6.1  
p-CRESOL (70° F ) 5.6  
p-CRESOL (137° F ) 9.9  
p-CYMENE (63° F ) 2.3  
p-DIBROMOBENZENE (190° F ) 4.5  
p-DICHLOROBENZINE (68° F ) 2.86  
p-DICHLOROBENZINE (120° F ) 2.4  
p-NITRO ANALINE (320° F ) 56.3

p-NITROTOLUENE (137° F ) 22.2

p-TOLUDINE 3.0

p-TOLUIDINE (130° F ) 5.0

p-XYLENE (68° F ) 2.3

PAINT 5-8

PALMITIC ACID (160° F ) 2.3

PAPER (DRY ) 2.0

PARAFFIN 1.9-2.5

PARAFFIN WAX 2.1-2.5

PARALDEHYDE (68° F ) 14.5

PARALDEHYDE (77° F ) 13.9

PARAWAX 2.3

PARRAFIN CHLORIDE 2.0-2.3

PENANTHIENE (68° F ) 2.8

PENTACHLORGETHANE (60° F ) 3.7

PENTADIENE 1,3 (77° F ) 2.3

PENTANE (68° F ) 1.8

PENTANOL (77° F ) 13.9

PENTANONE (2 ) (68° F ) 15.4

PENTENE (1 ) (68° F ) 2.1

PENTOCHLORETHANE 3.7

PERLITE 1.3 - 1.4

PETROLEUM 2.0-2.2

PHENANTHRENE (230° F ) 2.7

PHENATHIENE (68° F ) 2.8

PHENATHRENE (110° F ) 2.72

PHENETOLE (70° F ) 4.5

PHENOL (118° F ) 9.9

PHENOL (104° F ) 15.0

PHENOL (50° F ) 4.3

PHENOL ETHER (85° F ) 9.8

PHENOL FORMALDEHYDE RESIN (PFR) 4.5 - 5.0

(PFR ) WITH ASBESTOS FILLER 5.0 - 7.0

(PFR ) WITH GLASS FIBER FILLER 6.6 - 7.0

(PFR ) WITH MICA FILLER 4.2 - 5.2

(PFR ) WITH MINERAL FILLER (CAST ) 9.0 - 15.0

(PFR ) WITH SISAL FIBER 3.0 - 5.0

(PFR ) WITH WOOD FLOUR FILLER 4.0 - 7.0

PHENOL RESIN 4.9

PHENOL RESIN, CUMULATED 4.6-5.5

PHENOXYACETYLENE (76° F ) 4.8

PHEMIDINE (70° F ) 7.3

PHENYL ACETATE (68° F ) 6.9

PHENYL ETHER (86° F ) 3.7

PHENYL ISO THIOCYANATE (68° F ) 10.7

PHENYL ISOCYANATE (68° F ) 8.9

PHENYL URETHANE 2.7

PHENYL-L-PROPANE (68° F ) 2.7

PHENYL-ONE-PROPANE 2.7

PHENYL-1-PROPANE (68° F ) 1.7

PHENYLACETALDEHYDE (68° F ) 4.8

PHENYLACETIC (68° F ) 3.0

PHENYLACETONITRILE (80° F ) 18.0

PHENYLETHANOL (68° F ) 13.0

PHENYLETHYL ACETATE (58° F ) 4.5

PHENYLETHYLENE (77° F ) 2.4

PHENYLHYDRAZINE (72° F ) 7.2

PHENYLSALICYLATE (122° F ) 6.3

PHOSGENE (32° F ) 4.7

PHOSPHINE (-76° F ) 2.5

PHOSPHORUS (93° F ) 4.1

PHOSPHORUS OXYCHLORIDE (72° F ) 14.0

PHOSPHORUS PENTACHLORIDE (320° F ) 2.8

PHOSPHORUS TRIBROMIDE 3.9

PHOSPHORUS TRIBROMIDE (68° F ) 3.9

PHOSPHORUS TRICHLORIDE (77° F ) 3.4

PHOSPHORUS, RED 4.1

PHOSPHORUS, YELLOW 3.6

PHOSPHORYL CHLORIDE (70° F ) 13.0

PHOSPHROUS 4.1

PHTALIDE (166° F ) 36.0

PHTHALIC ACID 5.1-6.3

PHTHALIDE (74° F ) 36.0

PINACOLIN (62° F ) 12.8

PINACONE (75° F ) 7.4

PINE TREE RESIN, POWDER 1.5-1.8

PINENE (68° F ) 2.7

PIPERIDINE (68° F ) 5.9

PLASTER 2.5 - 6.0

PLASTIC GRAIN 65-75

PLASTIC PELLETS 1.1-3.2

PLASTIC SULPHUR, UNGROUND 1.5



PLATINUM CATALYST 6.5 - 7.5

POLY PROPYLENE 1.5

POLYACETAL 3.6-3.7

POLYACETOL RESIN 2.6-3.7

POLYACRYLIC ESTER 3.5

POLYAMIDE 2.5-2.6

POLYBUTYLENE 2.2-2.3

POLYCAPROLACTAM 2.0 - 2.5

POLYCARBONATE 2.9-3.0

POLYCARBONATE RESIN 2.9 - 3.0

POLYESTER RESIN 2.8 - 4.5

POLYESTER RESIN (FLEXIBLE ) 4.1 - 5.2

POLYESTER RESIN (GLASS FIBER FILLED) 4.0 - 4.5

POLYESTER RESIN (RIDGID CAST ) 2.8 - 4.1

POLYETHER CHLORIDE 2.9

POLYETHER RESIN 2.8-8.1

POLYETHER RESIN, UNSATURATED 2.8-5.2

PROPANEDIOL (68° F ) 32 .0

POLYETHYLENE 2.2-2.4

POLYETHYLENE, PELLET 1.5

POLYMIDE 2.8

POLYMONOCHLORO PIFLUOROETHYLENE 2.5

POLYPROPYLENE 1.5

POLYPROPYLENE POWDER 1.25

POLYPROPYLENE, PELLET 1.5-1.8

POLYSTYRENE RESIN 2.4 - 2.6

POLYSTYROL 2.0-2,6

POLYSULPHONIC ACID 2.8

POLYTETRA FLUOROETHYLENE 2.0

POLYVINYL ALCOHOL 1.9-2.0

POLYVINYL CHLORIDE 3.4

POLYVINYLCHLORIDE RESIN 5.8 - 6.8

PORCELAIN 5.0-7.0

PORCELAIN WITH ZIRCON 7.1 - 10.5

POTASSIUM ALUMINUM SULPHATE 3.8

POTASSIUM CARBONATE (60° F ) 5.6

POTASSIUM CHLORATE 5.1

POTASSIUM CHLORIDE 4.6

POTASSIUM CHLORONATE 7.3

POTASSIUM IODIDE 5.6

POTASSIUM NITRATE 5.0

POTASSIUM SULFATE 5.9

POTASSIUM CHLOROMATE 7.3

POTTASIUM CHLORIDE 5.0

PROPANE (Liquid) (32° F ) 1.6

PROPANOL (177° F ) 20.1

PROPENE (68° F ) 1.9

PROPIONALDEHYDE (62° F ) 18.9

PROPIONIC ACID (58° F ) 3.1

PROPIONIC ANHYDRIDE (60° F ) 18.0

PROPIONITRILE (68° F ) 27.7

PROPY BUTYRATE (68° F ) 4.3

PROPYL ACETATE (68° F ) 6.3

PROPYL ALCOHOL (68° F ) 21.8

PROPYL BENZENE (68° F ) 2.4  
PROPYL BROMIDE (68° F ) 7.2  
PROPYL BUTYRATE (68° F ) 4.3  
PROPYL CHLOROFORMATE (68° F ) 11.2  
PROPYL ETHER (78° F ) 3.4  
PROPYL FORMATE (66° F ) 7.9  
PROPYL NITRATE (64° F ) 14.2  
PROPYL PROPIONATE (68° F ) 4.7  
PROPYL VALERATE (65° F ) 4.0  
PROPYLENE LIQUID 11.9  
PSUEDOCUMENE (60° F ) 2.4  
PULEGONE (68° F ) 9.5  
PULEZONE (66° F ) 9.7  
PVC, POWDER 1.4  
PYREX 4.8  
PYREX GLASS 4.3 - 5.0  
PYRIDINE (68° F ) 12.5  
PYROCERAM 3.5-4.5  
PYRROLE (63° F ) 7.5

## Section Q

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

QUARTZ 4.2

QUINOLINE (77° F ) 9.0

QUINOLINE (-292° F ) 2.6

## Section R

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

REBURNED LIME 2.2

REFRACTORY (CAST ) 6.7

REFRACTORY (FOR CASTING ) 1.8 - 2.1

RESORCINOL 3.2

RICE (DRY) 3.5

RICE BRAN 1.4-2.0

ROUGE 1.5

ROUGE (JEWELERS) 1.5 - 1.6

RUBBER 3.0

RUBBER (CHLORINATED) 3.0

RUBBER (HARD) 2.8

RUBBER (ISOMERIZED) 2.4 - 3.7

RUBBER CEMENT 2.7-2.9

RUBBER CHLORIDE 2.1-2.7

RUBBER, RAW 2.1-2.7

RUBBER, SULPHURIZED 2.5-4.6

RUBY 11.3

RUTILE 6.7

## Section S

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

SAFROL (70° F ) 3.1

SALICYLALDEHYDE (68° F ) 13.9

SALT 3.0 - 15.0

SAND (DRY ) 5.0

SAND (SILICON DIOXIDE ) 3 - 5.0

SANTOWAX (70° F ) 2.3

SELENIUM 6.1-7.4

SELENIUM 11

SELENIUM (482° F ) 5.4

SELEVIUM (249° F ) 5.4

SESAME 1.8-2.0

SHELLAC 2.0-3.8

SILICA ALUMINATE 2

SILICA SAND 2.5-3.5

SILICON 11.0 - 12.0

SILICON DIOXIDE 4.5

SILICON TETRACHLORIDE (60° F ) 2.4

SILICONE MOLDING COMPOUND(SMC)

(SMC) (GLASS FIBER FILLED) 3.7

SILICONE OIL 2.2-2.9

SILICONE RESIN, LIQUID 3.5-5.0

SILICONE RUBBER 3.2-9.8

SILICONE VARNISH 2.8-3.3

SILK 2.5-3.5

SILVER BROMIDE 12.2

SILVER CHLORIDE 11.2

SILVER CYANIDE 5.6

SLAKED LIME, POWDER 2.0-3.5

SLATE 6.0-7.5

SMITHSONITE 9.3

SOAP POWDERS 1.2 - 1.7

SODIUM CARBONATE 5.3 - 8.4

SODIUM CARBONATE (ANHYD) 8.4

SODIUM CARBONATE (10H<sub>2</sub>O) 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 (68° F ) 2.7

SODIUM PERCHLORATE 5.4

SODIUM PHOSPHATE 1.6-1.9

SODIUM PERCHLORATE 5.4

SODIUM SULPHIDE 5

SORBITOL (176° F ) 33.5

SOY BEANS 2.8

STANNIC CHLORIDE (72° F ) 3.2

STARCH 3-5

STARCH, PASTE 1.7-1.8

STEARIC ACID (160° F ) 2.3

STEARINE 2.3

STEATITE 5.5 - 7.5

STYRENE (77° F ) 2.4

STYRENE (MODIFIED ) 2.4 - 3.8

STYRENE (PHENYLETHANE ) (77° F ) 2.4

STYRENE RESIN 2.3-3.4

SUCCINAMIDE (72° F ) 2.9

SUCCINIC ACID (78° F ) 2.4

SUCROSE 3.3

SUCROSE (MEAN ) 3.3

SUGAR 3.0  
SUGAR, GRANULATED 1.5-2.2  
SULFUR 1.6 - 1.7  
SULFUR DIOXIDE (-4° F ) 17.6  
SULFUR DIOXIDE (32° F ) 15.0  
SULFUR MONOCHLORIDE (58° F ) 4.8  
SULFUR TRIOXIDE (64° F ) 3.1  
SULFUROUS OXYCHLORIDE (72° F ) 9.1  
SULFURYL CHLORIDE (72° F ) 10.0  
SULPHUR( 244° F ) 3.5  
SULPHUR (450° F ) 3.5  
SULPHUR DIOXIDE (32° F ) 15.6  
SULPHUR TRIOXIDE (70° F ) 3.6  
SULPHUR, LIQUID 3.5  
SULPHUR, POWDER 3.6  
SULPHURIC ACID (68° F ) 84.0  
SUPPHURIC OXYCHLORIDE (72° F ) 9.2  
SYRUP 50-80  
SYRUP WAX 2.5-2.9

#### Section T

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

TANTALUM OXIDE 11.6  
TARTARIC ACID (68°F ) 6.0  
TARTARIC ACID (14° F ) 35.9  
TEFLON 2.0

TEFLON (4F) 2.0

TEFLON, FEP 2.1

TEFLON, PCTFE 2.3-2.8

TEFLON, PTFE 2

TEPINEOL 2.8

TERPINENE (70° F ) 2.7

TERPINEOL (72° F ) 2.8

TETRABROMOETHANE (72° F ) 7.0

TETRACHLOROETHYLENE (70° F ) 2.5

TETRADECAMETHYLTETRADECAMETHYL-  
CYCLOHEPTASILOXAN 2.7

TETRADECAMETHYLHEXOSILOXANE (68° F ) 2.5

TETRADECANOL (100° F ) 4.7

TETRAETHYL AMYLENETETRACARBOXYLATE 4.40

TETRAETHYL HEXANE-1-PHENYL  
TETRACARBOXYLATE (66° F ) 5.9

TETRAETHYL PENTANE DIPHENYL  
TETRACARBOXYLATE (68° F ) 2.7

TETRAETHYL PROPANE TETRACARBOXYLATE (66° F ) 5.2

TETRAETHYL PROPYLENE TETRACARBOXYLATE (66° F ) 6.0

TETRAETHYL SILICATE (68° F ) 4.1

TETRAFLUOROETHYLENE 2.0

TETRAHYDRO-B-NAPTHOL (68° F ) 11.0

TETRANITROMETHANE (68° F ) 2.2

TETRATRIACONTADIENE (76° F ) 2.8

THALLIUM CHLORIDE 46.9

THINNER 3.7

THIOACETIC ACID (68° F ) 13.0



THIONYL BROMIDE (68° F ) 9.1

THIONYL CHLORIDE (68° F ) 9.3

THIOPHENE (60° F ) 2.8

THIOPHOSPHORYL CHLORIDE (70° F ) 5.8

THORIUM OXIDE 10.6

THRICHLOROETHYLENE (61° F) 3.4

THUJONE (32° F ) 10.0

TIDE (LOOSE FROM BOX) 1.6

TIN TETRACHLORIDE (68° F ) 2.9

TITANIUM TETRACHLORIDE (68° F ) 2.8

TITANIUM DIOXIDE 110.00

TITANIUM OXIDE 40-50

TITANIUM TETRACHLORIDE (68 DEGREES F ) 2.8

TOBACCO 1.6 - 1.7

TOBACCO DUST (6% MOISTURE ) 1.7

TOBACCO 1.6 - 1.7

TOBACCO DUST (6% MOISTURE ) 1.7

TOLUENE (68° F ) 2.4

TOLUENE, LIQUID 2.0-2.4

TOLUIDINE (68° F ) 6.0

TOLUNITRILE (73° F ) 18.8

TOLYL METHYL ETHER (68° F ) 3.5

TOTANE (111° F ) 5.5

TOURMALINE 6.3

TRANS-3-HEXENE (76° F ) 2.0

TRANSMISSION OIL (80° F ) 2.2

TRIBROMOPROPANE (68° F ) 6.4

TRIBUTYLPHOSPHATE (86° F ) 8.0

TRICHLORETHYLENE 3.4

TRICHLOROACETIC ACID (140° F ) 4.6

TRICHLOROETHANE 7.5

TRICHLOROETHYLENE (61° F ) 3.4

TRICHLOROLOLUENE (70° F ) 6.9

TRICHLOROPROPANE (76° F ) 2.4

TRICHLOROTOLUENE (69° F ) 6.9

TRICHLOROXYLUENE 6.9

TRICOSANONE (176° F ) 4.0

TRICRESYL PHOSPHATE (104° F ) 6.9

TRIETHYL ACONITATE (68° F ) 6.4

TRIETHYL ALUMINUM (68° F ) 2.9

TRIETHYL ETHANETRICARBOXYLATE (66° F ) 6.5

TRIETHYL ISOACONITATE (68° F ) 7.2

TRIETHYLAMINE (21° F ) 3.2

TRIETHYLAMINE (77° F ) 2.4

TRIFLUOROACETIC ACID (68° F ) 39.0

TRIFLUOROTOLUENE (86° F ) 9.2

TRIMETHYL BORATE (68° F ) 8.2

TRIMETHYL-3-HEPTENE (68° F ) 2.2

TRIMETHYLAMINE (77° F ) 2.5

TRIMETHYLBENZENE (68° F ) 2.3

TRIMETHYLBUTANE (68° F ) 1.9

TRIMETHYLPENTANE 1.9

TRIMETHYLPENTANE (68° F ) 2.9

TRIMETHYLSULFANILIC ACID (64° F ) 89.0

TRINITROBENZENE (68° F ) 2.2

TRINITROTOLUENE (69° F ) 22.0

TRIOLEIN (76° F ) 3.2

TRIPHENYLMETHANE (212° F ) 2.3

TRIPOLMITIN (140° F ) 2.9

TRISTEARIN (158° F ) 2.8

TURPENTINE (WOOD) (68° F ) 2.2

TWO-DICHLOROETHANE 10.7

#### Section U

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

UNDECANE (68° F ) 2.0

UNDECANONE (58° F ) 8.4

UREA 5-8

UREA (71° F ) 3.5

UREA FORMALDEHYDE (UF DEGREES F )

UREA FORMALDEHYDE (CELLULOSE FILLER) 6.4 - 6.9

UREA RESIN 6.2-9.5

URETHAN (121° F ) 14.2

URETHANE (74° F ) 3.2

URETHANE RESIN 6.5 - 7.1

#### Section V

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

VALERALDEHYDE (58° F ) 11.8

VALERIC ACID (68° F ) 2.6

VALERONITRILE (70° F ) 17.7

VANADIUM OXYBROMIDE (78° F ) 3.6

VANADIUM OXYCHLORIDE (78° F ) 3.4  
VANADIUM SULFIDE 3.1  
VANADIUM TETRACHLORIDE (78° F ) 3.0  
VASELINE 2.2-2.9  
VERATROL (73° F ) 4.5  
VINYL ALCOHOL RESIN 2.6-3.5  
VINYL BUTYRAL 3.3 - 3.9  
VINYL CHLORIDE (ACETATE ) 3.0 - 3.1  
VINYL CHLORIDE (FLEXIBLE ) 3.5 - 4.5  
VINYL CHLORIDE (RIDGIG ) 2.8 - 3.0  
VINYL CHLORIDE RESIN, HARD 5.8-6.4  
VINYL CHLORIDE RESIN, SOFT 2.8-4.0  
VINYL ETHER (68° F ) 3.9  
VINYL FORMAL 3.0  
VINYLLIDENE CHLORIDE 3.0 - 4.0  
VYCOR GLASS 3.8

#### Section W

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

WATER 4-88  
WATER (32° F ) 88.0  
WATER (68° F ) 80.4  
WATER (212° F ) 55.3  
WATER (390° F ) 34.5  
WATER (80° F ) 80.0  
WATER (STEAM ) 1.00785  
WAX 2.4-6.5  
WHEAT FLOUR 3.0 - 5.0

WHEAT FLOUR (DRY POWDER ) 1.6

WHITE MICA 4.5-9.6

WOOD, DRY 2-6

WOOD, PRESSED BOARD 2.0-2.6

WOOD, WET 10-30

#### Section X

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

XYLENE (68° F ) 2.4

XYLENE, LIQUID 2.2-2.6

XYLENOL 17

XYLENOL (62° F ) 3.9

XYLIDINE (68° F ) 5.0

#### Section Z

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

ZINC OXIDE 1.7-2.5

ZINC SULFIDE 8.2

ZIRCON 12.0

ZIRCONIUM OXIDE 12.5

ZIRCONIUM SILICATE 5.0

#### Section - Numeric

A B C D E F G H I J K L M N O P Q R S T U V W X Z NUMERIC

1, 2-DICHLOROETHANE (77° F ) 10.7

1-DIETHOXYETHANE (75° F ) 3.8

1-HEPTENE (68° F ) 2.1

1-OCTANOL (68° F ) 10.3

2-METHYL-1-PROPANOL (77° F ) 17.7

3 DIMETHYL-2-BUTANONE 13.1

3-CHLORO-1, DIHYDROXYPRONE (68° F ) 31.0

**Relativna dielektrična konstanta**  $\epsilon_r$  (Ponekad se piše kao  $\kappa$  ili  $K$ ) je definisana kao odnos

$$\epsilon_r = \frac{\epsilon_s}{\epsilon_0}$$
 gde je  $\epsilon_0 = 8.8541878176 \times 10^{-12}$  (F/m) farada po metru, tj. dielektrična konstanta slobodnog prostora. A  $\epsilon_s$  permeabilnost materijala.