

The following information includes both solids and liquid products. The temperature of materials listed ranges between 50°F and 80°F unless otherwise noted. Values generally increase at lower temperatures and decrease at higher temperatures. Non-conductive materials have a dielectric constant of less than 20, and conductive materials have a dielectric constant of greater than 20. The dielectric constant of gases is nearly unity (1). NOTE: Materials containing 15% or more of water are usually conductive.

MATERIAL	D.C.
abs resin, pellet	1.5-2.5
abs resin, lump	2.4-4.1
acenaphthene	3
acetal	3.6
acetal doxime	3.4
acetaldehyde	21-22.2
acetamide	41-55
acetanilide	2.8-2.9
acetic acid (36°F)	4.1
acetic acid	6.1-6.7
acetic acid, anhydrous	22
acetic anhydride	22
acetomide	4
acetone (130°F)	(17.7)-21.4
acetonitrile/acetonitrile	37.5
acetophenone	17.3
acetoxime	3
acetyl acetone	23-25
acetyl bromide	16.5
acetyl chloride	15.8
acetylmethyl hexyl ketone	21-27.9
acrylic resin	2.7-4.5
air	1
alcohol, industrial	16-31
alkyd resin	3.5-5
allyl alcohol	21-22
allyl bromide	7
allyl chloride	8.2
allyl iodide	6.1
allyl isothiocyanate	17.5
alumina	8.1-11.5
alumina china	3.1-3.9
aluminum bromide (212°F)	3.4
aluminum flouride	2.2
aluminum hydroxide	2.2
aluminum oleate	2.4
aluminum phosphate	6
aluminum powder	1.6-1.8
amber	2.8-2.9
aminoalkyd resin	3.9-4.2
ammonia	15
ammonia (-30°F)	22.4
ammonia (104°F)	25
ammonium bromide	7.2
ammonium chloride	7
amyl acetate	5
amyl alcohol (140°F)	11.2
amyl alcohol	15.8
amyl alcohol (180°F)	35.5
amyl benzoate	5.1
amyl bromide	6.3
amyl chloride	6.6
amyl ether	3.1
amyl formate	5.7
amyl iodide	6.9
amyl nitrate	9.1
amyl thiocyanate	17.4
amylamine	4.6
amylene	2
amylene bromide	5.6-6.3
amylmercaptan	4.7
aniline (212°F)	(5.5) -7.8
aniline resin	3.4-3.8
anisaldehyde	15.8
anisaldoxine (145°F)	9.2
anisole	4.3
antimony pentachloride	3.2
antimony tribromide (212°F)	20.9
antimony trichloride (166°F)	3.3
antimony triiodide/tricodide (347°F)	13.9
arsenic tribromide (98°F)	9
arsenic trichloride	12.4

MATERIAL	D.C.
arsenic triiodide (302°F)	7
arsenic triiodide	7
arsine	2.7
asbestos	3-4.8
ash (Fly)	1.7-2.6
asphalt	2.6-2.7
asphalt, liquid	2.5-3.2
azoxyanisole (122°F)	2.3
azoxybenzene (104°F)	5.1-5.3
azoxyphenitole	6.8
BPA	5.0
bakelite	3.5-5.0
ballast	5.4-5.6
balm, refuse	3.1
barium chloride	11
barium nitrate	5.8
barium sulfate	11.4
barley powder	3-4
benzal chloride	6.9
benzaldehyde	17.8-18
benzaloxime	3.8
benzene, liquid	2.3
benzil (202°F)	13-15.5
benzine, liquid	2.3
benzonitrile	26
benzophenone (122°F)	(11.4) -13
benzotrichloride	7.4
benzoyl chloride (158°F)	19- (22.1)
benzoylacetone	3.8
benzyl acetate	5
benzyl alcohol	13
benzyl amine	5.4
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
biphenyl	20
biwax	2.5
bleaching powder	4.5
bone black	5-6
bornyl acetate	4.6
boron bromide (32°F)	2.6
boronyl chloride (202°F)	5.2
bromal	7.6
bromine	3.1
bromoacetyl bromide	12.6
bromoaniline	13
bromoanisole (86°F)	7.1
bromobenzene	5.4
bromobutylene	5.8
bromobutylic acid	7.2
bromocetyl bromide	12.6
bromodecane	4.4
bromodocosane (130°F)	3.1
bromododecane	4.1
bromo-2-othoxypentane	6.45
bromofora/bromoforn	4.4
bromoheptane	5.3
bromohexadecane	3.7
bromohexane	5.8
bromoisovaleric acid	6.5
bromonaphthalene	5.1
bromoctadecane (86°F)	3.5
bromopentadecane	3.9
bromopropionic acid	11
bromotoluene	4.3-5.1
bromotridecane	4.2
bromoundecane (15°F)	4.7
bromo-2-ethoxypentane	6.45
butane (30°F)	1.3-1.4

MATERIAL	D.C.
butanol	17.8
butyl acetate/n-butyl acetate	5.1
iso-butylacetate	5.6
iso-butylamine	4.5
iso-butyl alcohol	18.7
iso-butyl alcohol (32°F)	20.5
iso-butyl alcohol (112°F)	31.7
butyl chloral	10
butyl chloride	9.6
butyl oleate	4.0
butylamine	5.4
butyraldehyde	13.4
butyric acid	2.8
butyric anhydride	12-12.9
butyronitrile	20.7-20.8
cable oil	2.2
calcite	8.3
calcium	3
calcium carbonate	9.1
calcium fluoride	7.4
calcium oxide, granual	11.8
calcium sulfate	5.6
calcium superphosphate	14-15
camphanedione (398°F)	16
camphene (104°F)	2.3-2.7
campher, crystal	10-11
camphoric imide (480°F)	5.5
camphorpinacone	3.6
caproic acid (160°F)	2.6
caprolactam monomer	1.7
caprylic acid	3.2
carbide, powder	5.8-7
carbon dioxide (32°F)	1.6
carbon dioxide, liquid	1.6
carbon disulfide, liquid	2.6
carbon disulfide	2.6
carbon tetrachloride	2.2
carnauba wax	2.9
carvenone	18.4
carvol	11.2
carvone	11
casein resin	6-7
caster oil (75°F)	2.6
castor oil (58°F)	4.8
cedrene	3.3
cellophane	3.2-6.4
celluloid	3.3-11
cellulose	3.2-7.5
cellulose acetate	3.2-7
cement	1.5-2.1
cement, portland	2.5-2.6
cement, powder	5-10
cereals	3-5
cesium iodide	5.6
cetyl iodide	3.3
charcoal	1.2-1.8
chinaware, hard	4-7
chloral	5.5
chloral hydrate (59°F)	5.5
chlorine (32°F)	2
chlorine, liquid (-50°F)	2.1
chloroacetic acid	21
chloroacetone	29.8
chlorobenzene (212°F)	(4.7)-5.9
chlorobenzene, liquid	5.5-6.3
chlorocetic acid (140°F)	12.3
chlorocyclohexane	7.6
chloroform (32°F)	4.8-(5.5)
chloroheptane	5.5
chlorohexanone oxime (192°F)	3
chlorohydrate	3.3
chloronaphthalene	5
chloroxtane	5

MATERIAL	D.C.	MATERIAL	D.C.	MATERIAL	D.C.
chlorophenol	8.2	1-diethoxyethane	3.8	ethyl butyrate	5.1
chlorophetane	5.4	diesel	8-10	ethyl carbonate	3.1
chlorotoluene	4.7	diethyl benzalmalamate (32°F)	8	ethyl chloroacetate	11.6
chlorotoluene, liquid	4-4.5	diethyl disulfide	15.9	ethyl chloroformate	11.3
3-chloro-1 dihydroxyprone	31	diethyl glutarate (86°F)	6.6	ethyl chloropropionate	10.1
chocolate	2.2	diethyl 1-malate	9.5	ethyl cinnamate	5.3
cholesterin	2.86	diethyl ketone	17.3	ethyl cyanoacetate	2.7
cholestral	2.9	diethyl malonate	7.9	ethyl cyclobutane	1.9
chorine (170°F)	1.7	diethyl oxalate	8.2	ethyl dodecanoate	3.4
chrome, ore	7.7-8.0	diethyl oxaloacetate	6.1	ethyl ether (-148°F)	8.1
chrome, pure	12	diethyl racemate	4.5	ethyl ether (-40°F)	5.7
chromite	4.0-4.2	diethyl sebacate (86°F)	5	ethyl ethoxybenzoate	7.1
chromyl chloride	2.6	diethyl succinate (86°F)	6.6	ethyl formate	8.4
cinnamaldehyde	16.9	diethyl succinosuccinate	2.5	ethyl formylphenylacetate	3
cis-3-hexane	2	diethyl sulfide	7.2	ethyl fumerate	6.5
citraconic anhydride	40.3	diethyl sulfite	15.9	hydroxymethyleneacetate	7.8
glycolic nitrile	27	diethyl tartrate	4.5	ethyl hydroxymethylenemalonate	6.6
coal tar	2-3	diethyl-dimalate	10.2	ethyl hydroxymethylenephenylacetate	5
coal, powder, fine	2-4	diethylamine	3.7	ethyl iodode	7.8
cocaine	3.1	diethylaniline	5.5	ethyl isothiocyanate	19.7
coffee refuse	2.4-2.6	dihydrocaroons	8.7	ethyl levulinate	12.1
coke	1.1-2.2	dihydrocarvone	8.5	ethyl malate	8.5
compound	3.6	diimylamine	2.5	ethyl mercaptan	8
copper catalyst	6	diidoethylene (180°F)	4	ethyl nitrate	19.7
copper oleate	2.8	diidomethane	5.3	ethyl palmitate	3.2
copper oxide	18.1	diisoamyl	2	ethyl phenylacetate	5.4
corn	5-10	diisoamylene	2.4	ethyl propionate	5.7
corn, refuse	2.3-2.6	diisobutylamine	2.7	ethyl silicilate	8.6
cotton	1.3-1.4	dimethyl ethyl	11.7	ethyl silicate	4.1
cotton seed oil	3.1	dimethyl ethyl carbinol	11.7	ethyl stearate (104°F)	2.9
creosol	10.6	dimethyl malonate	10.4	ethyl thiocyanate	29.6
resol	5	dimethyl oxylate	3	ethyl trichloroacetate	7.8
resol, liquid	9-11	dimethyl sulfate	55	ethyl undecanoate	3.5
crotonic nitrice	28	dimethyl sulfide	6.3	ethyl valerate	4.7
crystale	3.5-4.7	dimethyl-2-hexane	2.4	ethyl 1-brombutyrate	8
cumaldehyde	11	dimethyl-2-butanone	13.1	ethyl 2-iodopropionate	8.8
cumene	2.4	dimethylaniline	4.4	ethylamine	6.3
cumicaldehyde	10.7	dimethylbromoethylene	6.7	ethylaniline	5.9
cupric oleate	2.8	dimethylheptane	1.9	ethylbenzene	2.9
cupric oxide	18.1	dimethylquinoxylone	2.28	ethylene chloride	10.5
cupric sulfate	10.3	dimethyltoluidine	3.3	ethylene cyanide (136°F)	58.3
cyanoacetic acid (40°F)	33	dinitrogen tetroxide	2.5	ethylene glycol	3.7
cyanoethyl acetate	19.3	dinitrogen oxide (32°F)	1.6	ethylene iodide	3.4
cyanogen	2.6	dioctyl phthalate	5.1	ethylene oxide (30°F)	4-5
cyclohexane	2	dipalmitin (161°F)	3.5	ethylene tetrafluoride	1.9-2.0
cyclohexane, liquid	18.5	dipentene	2.3	ethylenchlorohydrin	25
cyclohexanemethanol (140°F)	9.7	diphenyl (166°F)	2.5	ethylenediamine	16
cyclohexanol	15	diphenyl ether (82°F)	3.9	ethylic resin	2.3-2.3
cyclohexanone	18.2	diphenylamine (125°F)	3.3	ethylpentane	1.9
cyclohexanone oxime (192°F)	3	diphenylethane (230°F)	2.3-2.7	ethyltoluene	2.2
cyclohexylamine (-5°F)	5.3	diphenylmethane	2.6	etibine (-58°F)	2.5
cyclohexylphenol (130°F)	3.9	dipropyl ketone	12.6	eugenol	6.1
cyclohexyltrifluoromethane	11	dipropylamine	2.9	fenchone	12
cymene	2.3	distearin (172°F)	3.3	fermanium tetrachloride	2.4
(Dacron powder)	1.33	docosane (122°F)	2	ferric oleate	2.6
decahydronaphtholene	2.19	dodecಾಮethylcyclophexisloxane	2.6	ferrochromium	1.5-1.8
decamethyltetrasiloxane	2.39	dodecamethylpentasiloxane	2.46	ferromanganese	5.0-5.2
decamethylcyclopentasiloxane	2.5	dodecanol	6.5	ferrous oxide (60°F)	14.2
decanal	8.1	dodecyne	2.1	ferrous sulfate	14.2
decane	1.95	dolomite	6.8-8	flour	2.5-3.0
decylene	2.7	dowtherm	3.3	fluorotoluene (86°F)	4.2
decyne	2.173	ebonite	2.5-2.9	fluorspar	6.8
deuterium	1.3	emery sand	16.5	fluorine (-332°F)	1.5
deuterium oxide	78.3	epichlorophydrin	22.9	fly ash	1.5-2.6
dextrin	2.2-2.4	epoxy resin	3.6	formalin	23
diacetoxbutone	6.64	ethane diamine	14.2	formamide	84
diallyl sulfide	4.9	ethanethiol	6.9	formic acid	58
diamond	10	ethanethioloc acid	13	freon 11	3.1
dibenzofuran	3	ethanol	24.3	freon 113	2.6
didenzyl sebacate	4.6	ethoxy-3-methylbutane	3.9	freon 12	2.4
dibenzylamine	3.6	ethoxybenzene	4.2	fulan	2.9
dibromobenzene	8.8	ethoxyethyl acetate (86°F)	7.5	furfuraldehyde	41.9
p-dibromobenzene (190°F)	4.5	ethoxynaphthalone	3.3	gasoline	2.0-2.2
dibromobutane	5.7	ethoxypentane	3.6	glass	3.7-10
dibromoheptane	5	ethoxytoluene	3.9	glass, bead	3.1
dibromohexane	5	ethyl acetate	6.4	glass, granule	6-7
dibromopropane	4.3	ethyl acetoacetate	15.9	glass, raw material	2.0-2.5
dibromopropyl alcohol	9.1	ethyl acetoneoxalate	16.1	glucoheptitol (248°F)	27
dibutyl phthalate	6.4	ethyl acetophenoneoxalate	3.3	glycerin, liquid	47-68
dibutyl sebacate	4.5	ethyl alcohol	24	glycerine	47
dibutyl tartrate (109°F)	9.4	ethyl amyl ether	4	glycerol (32°F)	43 (47)
dichloroacetic acid	10.7	ethyl benzene	2.5	glyceryl triacetate	6
dichloroacetone	14	ethyl benzoate	6	glycol (122°F)	(35.6)-41.2
dichlorobenzene (127°F)	2.8	ethyl benzoylacetate	12.8	glycolic nitrile	27
p-dichlorobenzene	2.86	ethyl benzoylacetatoacetate	8.6	graphite	12-15
dichloroethane	16.7	ethyl benzyl ether	3.6	grain	3-8
dichlorostyrene	2.58	ethyl bromide	4.9	guaiaicol (0°F)	1.1
dichlorotoluene	6.9	ethyl bromoisobutyrate	7.9	gypsum	2.5-6.0
dicyclohexyl adipate (95°F)	4.8	ethyl bromopropionate	9.4	hagemannie ester	10.6

MATERIAL	D.C.	MATERIAL	D.C.	MATERIAL	D.C.
heavy oil	3	kent wax	6.5-7.5	methylomine	10.5
heavy oil, c	2.6	kerosene	2.8	methylphenyl hydrazine	7.3
helium, liquid	1.05	lactic acid	19.4	mica	2.6-3.2
heptadecanone (140°F)	5.3	lactonitrile	38.4	micanite	1.8-2.6
heptane	1.9	lead acetate	2.5	milk, dry powder	1.8
heptane, liquid	1.9-2.0	lead carbonate (60°F)	18.1	mineral oil	2.1
heptanoic acid (160°F)	2.5	lead chloride	4.2	monomyristin (158°F)	6.1
heptanone	11.9	lead nitrate	37.7	monopalmitin (152°F)	5.34
heptyl alcohol	6.7	lead nomoxide	25.9	monostearin (170°F)	4.87
hexamethyldisiloxane	2.1	lead oleate	3.2	N butyl alcohol	7.8
hexane	1.9	lead oxide	25.9	N butyl bromide	6.6
hexane, liquid	5.8-6.3	lead sulfate	14.3	N butyl formate (317°F)	2.4
hexanol	13.3	lead tetrachloride	2.8	N butyl iodide	6.1
hexanone	14.6	limonene	2.3	N butylacetate	5.1
hexyl iodide	6.6	linde 5A molecular sieve, dry	1.8	N butyric acid	2.9
hexadecamethylcycloheptasiloxane	2.7	linoleic acid (32°F)	2.6-(2.9)	naphthyl ethyl ether	3.2
hexlene	2	linseed oil	3.2-3.5	naphthalene (185°F)	2.3-2.54
hydrazine	52.9	liquified air	1.5	naphthonitrile	6.4
hydrochloric acid	4-12	liquified hydrogen	1.2	neoprene	6-9
hydrocyanic acid	2.3	lithium chloride	11.1	nibrobenzene (176°F)	26-36.1
hydrogen bromide	3.8	lonone	10	nitroanisole	24
hydrogen chloride (82°F)	4.6	LPG	1.6-1.9	nitrobenzal doxime (248°F)	48.1
hydrogen cyanide	95.4	m-cresol	5	nitrobenzene	36
hydrogen fluoride	84	m-dinitro benzene	2.8	nitrobenzyl alcohol	22
hydrogen fluoride (32°F)	11-17	m-xylene	2.4	nitrocellulose	6.2-7.5
hydrogen fluoride (0°C)	84	magnesium oxide	9.7	nitroethane	19.7
hydrogen iodide	2.9	magnesium sulfate	8.2	nitrogen (-336°F)	1.5
hydrogen peroxide	84.2	malachite	7.2	nitroglycerin	19
hydrogen sulfide (48°F)	5.8	maleic nitrile (140°F)	4.7	nitromethane	22.7-39.4
hydrogen sulfide (-120°F)	9.3	malonic anhydride	5.1	nitrosodiummethylamine	5.4
hydroxy-4-methy-2-pentanone	18.2	malonic nitrate (97°F)	4.7	nitrosyl bromide (4°F)	13.4
hydroxymethylene camphor	5.2	mandelic nitrile	18.1	nitrosyl chloride (10°F)	18.2
hydroxymethelenebenzyl cyanide	6	mandenitrile	17	nitrotoluene	25
ido-iodohexadecane	3.5	manganese dioxide	5-5.2	nitrous oxide (32°F)	1.6
ilmenite	6-7	mannitol	3	nonane	1.96
idopoctane	4.62	margarine, liquid	2.8-3.2	nylon	3.5-5
indanol (140°F)	7.8	melamine resin	4.7-10.9	o-chlorophenol	8.2
iodine (250°F)	118	menthol (107°F)	3.95	o-cresol	5.8
iodine (284°F)	11	menthenol (110°F)	2.1	o-dichlorobenzene	7.5
iodioctane	4.6	mercuric chloride	3.2	octadecanol (136°F)	3.42
iodoheptane	4.9	mercurous chloride	9.4	octamethylcyclotetrasiloxane	2.39
iodohexane	5.3	mercury chloride	7-14	octamethyltrisiloxane	2.3
iodomethane	7	mercury diethyl	2.3	octane	1.96
iodotoluene	6.1	mesityl oxide	15.4	octanone	10.3
iron oxide	14.2	mesitylene	3.4	octene	2
iso valoric acid	2.7	methyl cyanoacetate	29.4	octyl alcohol	3.4
iso-iodohexadecane	3.5	methane, liquid (-280°F)	1.7	octyl iodide	4.9
iso-valeric acid	2.7	methanol	33.6	octylene	4.1
isoamyl alcohol	15.3	methoxy-4-methyl phenol	11	oil, almond	2.8
isoamyl bromide	6.1	methoxybenzene	4.33	oil, cottonseed	3.1
isoamyl butyrate	3.9	methoxyethyl stearate (140°F)	3.39	oil, grapeseed	2.9
isoamyl chloride	6.4	methoxyphenol (82°F)	11	oil, lemon	2.3
isoamyl chloroacetate	7.8	methoxytoluene	3.5	oil, linseed	3.4
isoamyl chloroformate	7.8	methyl acetate	7.3	oil, olive	3.1
isoamyl iodide	5.6	methyl acetophenoneoxalate	2.8	oil, paraffin	2.2-4.7
isoamylpropionate	4.2	methyl alcohol (32°F)	37.5	oil, peanut	3
isoamyl salicylate	5.4	methyl alcohol (-112°F)	56.6	oil, petroleum	2.1
isoamyl valerate	3.6	methyl alcohol, liquid	32.6	oil, pyranol	5.3
isobutyl resin	1.4-2.1	methyl benzoate	6.6	oil, sesame	3
isobutyl acetate	5.6	methyl butyl ketone	12.4	oil, sperm	3.2
isobutyl alcohol (112°F)	3.2	methyl butyrate	5.6	oil, turpentine	2.2
isobutyl alcohol (32°F)	2.1	methyl chloroacetate	12.9	oil, transformer	2.2-2.4
isobutyl alcohol	18.7	methyl ethyl ketoxime	3.4	oleic acid	2.4-2.5
isobutyl benzoate	5.9	methyl ethyl ketone	18.4	1-dichloroethane	10.7
isobutyl bromide	6.6	methyl heptanol	5.25	1-diethoxyethane	3.8
isobutyl butyrate	4	methyl iodide	7.0-7.1	p-cresol	5.6
isobutyl chloride	7.1	methyl kexyl ketone	10.7	p-cymene	2.3
isobutyl chloroformate	9.2	methyl nitrobenzoate (80°F)	2.7	p-toluidine	3
isobutyl cyanide	13.3	methyl O methoxybenzoate	7.8	paint	5-8
isobutyl formate	6.5	methyl p-toluate (91°F)	4.3	palmitic acid (160°F)	2.3
isobutyl iodide	5.8	methyl propionate	5.4	palmitic acid	70
isobutyl nitrate	11.9	methyl propyl ketone	16.8	paper, dry	2
isobutyl rinonoleate	4.7	methyl salicylate	9	paraffin	1.9-2.5
isobutyl valerate	3.8	methyl thiocyanate	35.9	paraffin chloride	2.0-2.3
isobutylamine	4.5	methyl valerate	4.3	paraffin oil	4.6-4.8
isobutylbenzene	2.3	methyl-5-ketocyclohexylene	24	paraffin wax	2.1-2.5
isobutylene bromide	4	methyl-1-cyclopentanol (95°F)	6.9	paraldehyde	14.5
isobutyric acid	2.6-2.7	methyl-2, 4 pentanediol (86°F)	24.4	pentane	1.8
isobutyric anhydride	13.9	methyl-2-pentanone	13.1	pentochloroethane	3.7
isobutyronitrile	20.8	methylal	2.7	petroleum	2.0-2.2
isocapronitrile	15.7	methylaniline	6	phenanthrene (230°F)	2.7-2.8
isooctane	2.1-2.3	methylbenzylamine	4.4	phenetole	4.5
isophthalic acid	1.4	methylcyclohexanol	13	phenol (104°F)	15
isopropyl alcohol	18.3	methylcyclohexanone (192°F)	18	phenol (118°F)	9.9
isopropyl nitrate	11.5	methylcyclopentane	1.9	phenol ether (85°F)	9.8
isopropylamine	5.5	methylene iodide	5.1	phenol resin	4.9
isoquinoline	10.7	methylether, liquid	5	phenol resin, cumulated	4.6-5.5
isosafröl	3.4	methylhexane	1.9	phenoxyacetylene	4.76
jet fuel (jp4)	1.7	methylloctane	30	phentidine	7.3

MATERIAL	D.C.	MATERIAL	D.C.	MATERIAL	D.C.
phenyl acetate	4.5	rutile	6.7	thallium chloride	46.9
phenyl iso thiocyanate	10.7	safron	3.1	thinner	3.7
phenyl isocyanate	8.9	salicylaldehyde	13.9	thioacetic acid	13
phenyl urethane	2.7	sand	3-5	thionyl bromide	9.1
phenyl-1-irpane	2.7	santawax	2.29	thionyl chloride	9.3
phenylacetaldehyde	4.8	selenium	6.1-7.4	thiophene	2.8
phenylacetic	3	selenium (482°F)	5.4	thiophosphoryl chloride	5.8
phenylacetoneitrile	18	selenium / selinium	11	thorium oxide	10.6
phenylethanol	13	sesame	1.8-2.0	thujona	10
phenylsalicylate (122°F)	6.3	shellac	2.0-3.8	tin tetrachloride	2.9
phosgene (32°F)	4.3-4.7	silica sand	2.5-3.5	titanium oxide	40-50
phosphine (-76°F)	2.5	silica aluminate	2	titanium tetrachloride	2.8
phosphorus (93°F)	4.1	silicon dioxide	4.5	tobacco dust (6% moist)	1.7
phosphorus oxychloride	14	silicone oil	2.2-2.9	toluene	2.4
phosphorus pentachloride	2.8	silicone resin, liquid	3.5-5.0	toluene, liquid	2.0-2.4
phosphorus tribromide	3.9	silicone rubber	3.2-9.8	toluidine	6
phosphorus trichloride	3.7	silicone varnish	2.8-3.3	tolunitrile	18.8
phosphoryl chloride	13.3	silk	2.5-3.5	tolyl methyl ether	3.5
phthalic acid	5.1-6.3	silicon tetrachloride	2.4	totana (111°F)	5.5
phthalide (166°F)	36	silver bromide	12.2	trans-3-hexene	2
pinacolin	12.8	silver chloride	11.2	transmission oil	2.2
pinacone	7.4	silver cyanide	5.6	tribromopropane	6.4
pine tree resin, powder	1.5-1.8	slaked lime, powder	2.0-3.5	tributylphosphate (86°F)	7.9
pinene	2.7	slate	6.0-7.5	trichloroacetic acid (141°F)	4.5
piperidine	5.9	soap powder	1.25-1.5	trichloroethane	7.5
plastic grain	65-75	sodium carbonate	8.4	trichloroethylene	3.4
plastic pellets	1.1-3.2	sodium chloride	5.9	trichloropropane	2.4
plastic sulphur, unground	1.5	sodium cyanide	7.55	trichloroxoluene	6.9
polyacetal	3.6-3.7	sodium dichromate	2.9	tricosanane (176°F)	4
polyacetol resin	2.6-3.7	sodium nitrate	5.2	trimesyl phosphate (104°F)	6.9
polyamide	2.5-2.6	sodium oleate	2.8	triethyl aconitate	6.4
polybutylene	2.2-2.3	sodium phosphate	1.6-1.9	triethyl aluminum	2.9
polycaprolactam	2.2	sodium porchlorate	5.4	triethyl ethanetricarboxylate	6.5
polycarbonate	2.9-3.0	sodium sulphide	5	triethyl isoacnitrate	7.2
polyether chloride	2.9	sorbitol	33.5	triethylamine	3.2
polyether resin	2.8-8.1	stannec chloride	3.2	trifluoroacetic acid	39
polyether resin, unsaturated	2.8-5.2	starch	3-5	trifluorotoluene (86°F)	9.1
polyethylene	2.2-2.4	starch, paste	1.7-1.8	trimethyl borate	8.2
polyethylene, pellet	1.5	stearic acid	2.3	trimethyl-3-heptene	2.2
polypropylene, pellet	1.5-1.8	stearine	2.3	trimethylamine	2.9
polystyrol	2.0-2.6	steatite	5-7	trimethylbenzene	2.2
polysulphonic acid	2.8	styrene	2.3-3.4	trimethylbutane	1.9
polyvinyl alcohol	1.9-2.0	styrene (phenylethene)	2.4	trimethylpentane	1.9
porcelain	5.0-8.0	styrene resin	2.3-2.4	trimethylsulfanilic acid	.89
potassium aluminum sulphate	3.8	succinamide	2.9	trinitrobenzene	2.2
potassium carbonate (60°F)	5.6	succinic acid	2.4	triolein	3.2
potassium chlorate	5.1	sucrose (mean)	3.3	triphenylmethane (212°F)	2.4
potassium chloride	4.6	sugar	3	tripolmitin (140°F)	2.9
potassium chloronate	7.3	sugar, granulated	1.5-2.2	tristearin (158°F)	2.7
potassium iodide	5.6	sulfur dioxide (-4°F)	17.6	2-dichloroethane	10.7
potassium nitrate	5	sulfur monochloride	4.8	undecane	2
potassium sulfate	5.9	sulfur trioxide	3.1	undecnone	8.4
propane, liquid (0°C)	1.6	sulfurous oxychloride	9.1	urea	5-8
propionaldehyde	18.9	sulfuryl chloride	10	urea resin	6.2-9.5
propionic acid	3.1	sulphur (752°F)	(3.4)-4.4	urethane	6.5-7.1
propionic anhydride	18	sulphur dioxide	15.6	urethane	3.2
propionitrile	27.7	sulphur trioxide	3.6	valeraldehyde	11.8
propyl acetate	6.3	sulphur, liquid	3.5	valeric acid	2.6
propyl alcohol	21.8	sulphur, powder	3.6	valeronitrile	17.7
propyl benzene	2.4	sulphuric acid	8.4	vanadium oxybromide	3.6
propyl bromide	7.2	sulphuric oxychloride	9.2	vanadium oxychloride	3.4
propyl butyrate	4.3	syrup	50-80	vanadium sulfide	3.1
propyl chloroformate	11.2	syrup wax	2.5-2.9	vanadium tetrachloride	3
propyl formate	7.9	tantalum oxide	11.6	vaseline	2.2-2.9
propyl nitrate	14.2	tartaric acid	6.0-36	veratrol	4.5
propyl propionate	4.7	teflon	2	vinyl alcohol resin	2.6-3.5
propyl valerate	4	teflon, fep	2.1	vinyl chloride resin, hard	5.8-6.4
propylene liquid	11.9	teflon, pctfe	2.3-2.8	vinyl chloride resin, soft	2.8-4.0
psuedocumene	2.4	teflon, ptf	2	vinyl ether	3.9
pulegone	9.5	terpinene	2.7	water (32°F)	88
pulezone	9.7	tepineol	2.8	water (68°F)	80
pvc, powder	1.4	tetrabromiethane	7.1	water (212°F)	48
pyrex	4.8	tetrachloroethylene	2.5	wax	2.4-6.5
pyridine	12.5-25	tetradecamethylcycloheptasiloxane	2.7	white mica	4.5-9.6
pyroceram	3.5-4.5	tetradecamethylhexosiloxane	2.5	wood, dry	2-6
quartz	4.3	tetradecanol (100°F)	4.7	wood, pressed board	2.0-2.6
quinoline (-292°F)	(2.6)-9.0	tetraethyl amylene tetracarboxylate	4.4	wood, wet	10-30
reburned lime	2.2	tetraethyl hexane-1-phenyl tetracarboxylate	5.9	xylene	2.4
resorcinol	3.2	tetraethyl pentane diperyl tetracarboxylate	2.7	xylene, liquid	2.2-2.6
rice	3-8	tetraethyl propane tetracarboxylate	5.2	xyldine	5
rice bran	1.4-2.0	tetraethyl silicate	4.1	zinc oxide	1.7-2.5
rouge	1.5	tetrahydro-b-naphthol	11	zinc sulfide	8.2
rubber	3	tetranitrimethone	2.2	zirconium oxide	12.5
rubber cement	2.7-2.9	tettriacontodiene	2.82		
rubber chloride	2.7-3.5				
rubber, raw	2.1-2.7				
rubber, sulphurized	2.5-4.6				

NOTE: Materials containing 15% or more of water are usually conductive.