

TEK-FLUX 1400A

Electromagnetic Flow Meter



1400A Conductivity Chart

Material	Concentration	Temperature		Conductivity
	(weight %)	(°C)	(°F)	(µS)
Acetaldehyde		15	59	4
Acetamide		100	212	109
Acetic Acid	0.3	18	64.4	800
Acetic Anhydride		0	32	2.54
Acetone		18	64.4	0.0508
Acetonirile		20	68	18
Acetophenone		25	77	0.01524
Acetyl Bromide		25	77	6
Acetyl Chloride		25	77	1.016
Adipic Acid		170	338	0.508
Alizarin		233	451.4	4
Allyl Alcohol		25	77	18
Alum		25	77	22900
Ammonia	0.1	15	59	600
Ammonium Chloride	5	18	64.4	233200
Ammonium Iodide	10	18	64.4	196100
Ammonium Nitrate	5	15	59	149900
Ammonium Sulfate	5	15	59	140200
Aniline		25	77	0.06096
Animal Fat		70	158	0.000001778
Anthracene		230	446	0.000762
Arsenic Tribromide		35	95	4
Arsenic Trichloride		25	77	3
Asphalt Emulsion		30	86	22900
Barium Chloride	5	18	64.4	98800
Barium Hydroxide	1.25	18	64.4	63500
Barium Nitrate	4.2	18	64.4	53100
Benzadehyde		25	77	0.381
Benzine				0.19304
Benzoic Acid		125	257	0.00762
Benzonitirile		25	77	0.127
Benzyl Alcohol		25	77	5
Benzyl Benzoate		25	77	0.0000254
Benzylamine		25	77	0.00004318
Black Liquor		93	199.4	12700
Bromine		17	63	3.302E-07
Bromobenzene		25	77	0.0000508

Material	Concentration	Temperature		Conductivity
	(weight %)	(°C)	(°F)	(µS)
Bromoform		25	77	0.0508
Butyric Acid	1	18	64.4	1200
Cadium Bromide	0.0324	18	64.4	600
Cadium Chloride	0.0503	18	64.4	1300
Cadium Iodide	1	18	64.4	5400
Cadium Nitrate	1	18	64.4	17600
Cadium Sulfate	0.0289	18	64.4	600
Calcium Chloride	5	18	64.4	163300
Calcium Nitrate	6.25	18	64.6	124700
Capronitrile		25	77	9
Carbon Disulfide		1	33.8	0
Carbon Tetrachloride		18	64.4	0
Carboxylic Acid		25	77	13
Chloriacetic Acid		60	140	4
Chlorine		-70	-94	0
Chloroform		25	77	0.0508
Chlorohydrin		25	77	1.27
Chocolate Liquor				0
Coca Cola Syrup		20	68	1500
Coffee Extract		84	183.2	12700
Corn Syrup		32	89.6	41
Cranberries Chrushed		38	100.4	66
Cream Cheese Mix		79	174.2	12700
Cupric Chloride	1.35	18	64.4	47500
Cupric Nitrate	5	15	59	92700
Cupric Sulfate	2.5	18	64.4	27700
Cyanogen				0
Cyemene		25	77	0.0508
Dichloroacetic Acid		25	77	0
Dichlorohydrin		25	77	30
Diethyl Carbonate		25	77	0.04318
Diethyl Oxalate		25	77	1.9304
Diethyl Sulfate		25	77	0.6604
Diethylamine		-34	-28.48	0.005588
Dimethyl Sulfate		0	32	0.4064
Epichlorohydrin		25	77	0.08636
Ethyl Acetate		25	77	0.0000254

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	(weight %)	(°C)	(°F)	(µS)
Ethyl Acetoacetate		25	77	0.1016
Ethyl Alcohol		25	77	0.003302
Ethyl Benzoate		25	77	0.00254
Ethyl Bromide		25	77	0.0508
Ethyl Ether		25	77	0
Ethyl Iodide		25	77	0.00508
Ethyl Isothiocyanate		25	77	0.32004
Ethyl Nitrate		25	77	1.3462
Ethyl Thiocyanate		25	77	3
Ethylamine		0	32	1.016
Ethylene Bromide		19	66.2	0.0000508
Ethylene Chloride		25	77	0.0762
Ethylidene Chloride		25	77	0.004318
Eugenol		25	77	0.004318
Formalehyde	44	38	100.4	400
Formamide		25	77	10
Formic Acid	4.94	18	64.4	14000
Fudge		57	134.6	117
Fuel Oil				0
Furfural		25	77	4
Gallium		30	86	93472000000
Germanium Tetrabro.		30	86	198
Gin 90 proof		25	77	25
Glicol		25	77	0.762
Glycerol		25	77	0.16256
Guaiacol		25	77	0.7112
Heptane				0
Hexane		18	64.4	0
Hydraulic Fluid		18	64.4	0
Hydriodic Acid		15	59	337800
Hydrobromic Acid	5	15	59	485100
Hydrochloric Acid	5	15	59	1003300
Hydrofluoric Acid	0.004	18	64.4	600
Hydrogen Bromide		-80	-112	0.02032
Hydrogen Chloride		-96	-140	0.0254
Hydrogen Cyande		0	32	8
Hydrogen Iodide				0.508
Hydrogen Peroxide	90	60	140	5
Hydrogen Sulfide				0

Material	Concentration	Temperature		Conductivity
	(weight %)	(°C)	(°F)	(µS)
Ink		93	199.4	0
Iodine		110	230	0
ISO – Butyl Alcohol		25	77	0.0508
ISO-propyl Alcohol		25	77	9
ISO-Valeric Acid		80	176	0
Kerosene		25	77	0.004318
Lard				0
Latex		25	77	4400
Latex Paint		25	77	1800
Lead Nitrate	5	15	59	48500
Lithium Carbonate	0.2	18	64.4	8700
Lithium Chloride	2.5	18	64.4	104100
Lithium Hydroxide	1.25	18	64.4	198400
Lithium Iodide	5	18	64.4	75200
Lithium Sulfate	5	15	59	101600
Manganese Chloride	5	15	59	133600
Magnesium Chloride	5	18	64.4	173500
Magnesium Nitrate	5	18	64.4	111300
Magnesium Sulfate	5	15	59	66800
Naphthalene		82	179.6	0.001016
M-Chloroaniline		25	77	0.127
M-Creosol		25	77	0.04318
Mercuric Chloride	0.229	18	64.4	112
Mercuric Bromide	0.223	18	64.4	41
Mercury		0	32	42164000000
Methyl Acetate		25	77	9
Methyl Alcohol		18	64.4	1.1176
Methyl Ethyl Ketone		25	77	0.254
Methyl Iodine		25	77	0.0508
Methyl Nitrate		25	77	11
Methyl Thiocyanate		25	77	4
Molasses		10	50	800
M-Propyl Alcohol		18	64.4	0.127
M-Propyl Bromide		25	77	0.0508
Nitric Acid	6.2	18	64.4	792500
Nitrobenzene		0	32	0.00127
Nitromethane		18	64.4	1.524
Nonane		25	77	0.04318
O or M-Nitrotoluene		25	77	0.508

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	(weight %)	(°C)	(°F)	(µS)
Oleic Acid		15	59	0.000508
Oleum	20	25	77	1300
O-Toluidine		25	77	5
Oxalia Acid		18	64.4	129000
Oxygen				198900
Paint, Enamel		25	77	0
Parafin Wax		66	150.8	0
Peanut Butter		93	199.4	0
Pentane		19	67.1	0
Petroleum				0
Phenetole		25	77	0.04318
Phenol		25	77	0.04318
Phenyl Isothiocyanate		25	77	4
Phosgene		25	77	0.01778
Phosphoric Acid	10	15	59	143800
Phosphorus		25	77	1.016
Phosphorus Oxychl.		25	77	6
Pinene		23	73.4	0.0000508
Piperidene		25	77	0.508
Polystryrene		54	129.2	3000
Potassium Acetate	4.67	15	59	88100
Potassium Bromide	5	15	59	118100
Potassium Carbonate	5	10	50	142500
Potassium Chloride	5	19	66.4	175300
Potassium Cyanide	3.25	15	59	133900
Potassium Floride	5	18	64.4	165600
Potassium Hydroxide	4.2	15	59	370800
Potassium Iodide	5	18	64.4	85900
Potassium Oxalate	5	18	64.4	124000
Potassium Sulfate	5	18	64.4	116300
Proionaldehyde		25	77	2.159
Propionic Acid	1	18	64.4	1200
Propiontrile		25	77	0.254
Pryidine		18	64.4	0.13462
P-Toluidine		100	212	0.15748
Quinoline		25	77	0.05588
RC cola syrup		25	77	1500
Salicylaldehyde		25	77	0.4064
Silver Nitrate	5	18	64.4	65000

Material	Concentration	Temperature		Conductivity
	(weight %)	(°C)	(°F)	(µS)
Sodium Acetate	5	18	64.4	74900
Sodium Carbonate	5	18	64.6	114600
Sodium Chloride	5	18	64.4	170700
Sodium Hydroxide	1	18	64.4	118100
Sodium Iodide	5	18	64.4	75700
Sodium Nitrate	5	18	64.4	110700
Sodium Sulfate	5	18	64.4	103900
Sodium Sulfide	2	18	64.4	155400
Soybean Oil		104	220	0
Starch		27	80.6	7600
Stearic Acid		80	176	0
Strontium Chloride	5	18	64.4	122700
Strontium Nitrate	5	15	59	78500
Sugar Solution Dilute		30	86	1500
Sugar Solution Pure		10	50	8
Sulfonyl Chloride		25	77	5
Sulfur		115	239	0.00000254
Sulfur Dioxide		35	95	0.0381
Sulfuric Acid	5	18	64.6	530900
Titanium Dioxide		25	77	10200
Toluene				0
Toothpaste		25	77	400
Trichloroacetic Acid		25	77	0.00762
Trimethylamine		-34	-28.3	0.000508
Turpentine				0.000000508
Uranium Sulfate Ext.		38	100.4	7600
Urea		25	77	12700
Vegetable Oil		25	77	0
Vodka 100 proof		25	77	10
Water, distilled				0.1016
Water, NYC		25	77	183
Xylene				0
Zinc Chloride	2.5	15	59	70100
Zinc Oxide		25	77	5100
Zinc Sulfate	5	18	64.4	48500



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