

# Viscosity Charts & Conversion Tables

Liquid	Absolute Viscosity Centipoise	Temp. °F
<b>DAIRY PRODUCTS</b>		
Butter Fat	42	110
Butter Fat	20	150
Butter Deodorized	45	120
Cottage Cheese	30,000	65
Cocoa Butter	50	140
Cocoa Butter	0.5	210
Condensed Milk	40 – 80	100 – 120
Condensed Milk, 75% Solids	2,160	70
Cream, 30% Fat	14	60
Cream, 45% Fat	48	60
Cream, 50% Fat	112	60
Cream, 50% Fat	55	90
Milk	2.0	65
Milk	10	120
Milk Whey, 48% sugar	800 – 1,500	100
Process Cheese	6,500	175
Process Cheese	30,000	65
Whole Egg	150	40
Yogurt	152	105
<b>FOOD PRODUCTS</b>		
Batter	29,500	85
Baby Food	1,400	200
Beer	1.1	40
Beet Sauce	1,950	170
Brewers Yeast	368	65
Brewers Yeast, 80% Solids	16,000	40
Broth Mix	430	65
Cake Frosting	10,000	70
Caramel	400	140
Carob Bean Sauce	1,500	85
Chocolate	17,000	120
Chocolate Milk	280	120
Citrus Fruit Pulp	600	70
Coffee, 30-40% Liquor	10 – 100	70
Condensed Milk, s77% Sweetened	10,000	70
Cookie Cream Pre-mix	29,200	65
Corn Starch	300	85
Corn Syrup	12,000	130
Cream Style Corn	130	190
Custard	1,500	185 – 195
Edible Oil	65	70
Emulsifier	20	70
Gelatin, 37% Solids	1,190	110
Glucose	4,300 – 8,600	75 – 85
Gravy Slurry	110	175
Fruit Juice	55 – 75	65
Honey	1,500	100
Hot Fudge	36,000	120
Jam Garnish	8,440	60
Malt Extract, 80%	9,500	65
Malt Extract	3,000	140
Mashed Potato	20,000	100
Mayonnaise	20,000	70
Mincemeat	100,000	85
Molasses	1,400 – 13,000	100

Liquid	Absolute Viscosity Centipoise	Temp. °F
Mousse Mix	1,200	40
Pabulum	4,500	100
Pear Pulp	4,000	160
Pectin	300	100
Pectin	345	80
Pet Food	11,000	40
Prune Juice	60	120
Orange Juice Concentrate (30 Brix)	630	70
Orange Juice Concentrate (30 Brix)	91	175
Orange Juice Concentrate (50 Brix)	2,410	70
Orange Juice Concentrate (50 Brix)	330	175
Rice Pudding	10,000	210
Salad Cream	1,300 – 2,600	65
Sauce-Apple	500	175
Sorbitol	200	70
Soybean Slurry	5,000 – 10,000	120 – 195
Tapioca Pudding	1,000	235
Toffee	87,000	100
Tomato Catsup	1,000	85
Tomato Paste, 30%	195	65
Vinegar	12 – 15	70
Yeast Slurry	20	65
<b>VEGETABLE OILS</b>		
Castor Oil	580	80
Caster Oil	36	175
Chinawood Oil	300	70
Coconut Oil	55	75
Coconut Oil	30	100
Corn Oil	28	135
Cotton Seed Oil	62	75
Cotton Seed Oil	24	125
Linseed Oil Raw	29	100
Olive Oil	40	100
Palm Oil	43	100
Peanut Oil	38	100
Soybean Oil	60	75
Soybean Oil	12	175
Turpentine	2.0	60
<b>PHARMACEUTICALS</b>		
Cough Syrup	190	85
Detergents	1,470	160
Face Cream	10,000	70
Hair Cream	5,000	70
Hand Cleaner	2,000	70
Hand Cream	780	65
Latex Emulsion	200	75
Latex Emulsion	48	150
Paraffin Emulsion	3,000	65
Pill Pastes	5,000	–
Shampoo	3,000	95
Soap Arylan	630	140
Soap Solution	82	140
Toothpaste	70,000 – 100,000	65
Wax	500	200
<b>FISH &amp; ANIMAL OILS</b>		
Bone Oil	48	130

Liquid	Absolute Viscosity Centipoise	Temp. °F
Cod Oil	32	100
Ground Beef Fat	11,000	60
Lard	62	100
Lard Oil	40 – 47	100
Meat Emulsion	22,000	40
Melted Animal Fat	43	110
Pork Fat Slurry	650	40
Sperm Oil	24	100
Whale Oil	25 – 39	100
<b>INDUSTRIAL PRODUCTS</b>		
Acetate Glue	1,200 – 1,400	70
Asphalt	500 – 2,500	–
Auto Lube Oil, SAE 40	200	100
Auto Trans Oil, SAE 90	320	100
Black Liquor	1,100	122
Black Liquor Soap	7,000	122
Black Liquor Tar	2,000	300
Box Glues	3,000	70
Clarified Sewage Sludge	2000 Range	–
Cresol Crystals	10	65
Diethylene Glycol	32	70
Dye	10	70
Ethylene Glycol	18	70
Fuel Oil #6	660	122
Glycerine, 100%	648	70
Glycerine, 100%	176	100
Gum	5,000	100
Isopropyl Alcohol	1.9	185
Kerosene	3	68
Lacquer, 25% Solids	3,000	65
Metallic Auto Paint	200	80
Paint Solvents	0.5 – 10	70
Paper Coating, 35%	400	–
Polyester	3,000	85
Polyester Resin	3,000	70
Polyisobutylene	12,500	185
Polypropylene	240,000	120
Polyvinyl Acetate Resin	65,000	70
Plastisol	28,000	65
Printers Ink	550 – 2,220	100
Printers Ink	238 – 660	130
Propylene Glycol	52	70
Resin Solution	880	75
Resin Solution	975	70
Resin Solution	7,140	65
Rubber & Solvent Cements	15,000	70
NaOH, 20%	1.0	65
NaOH, 30%	10	65
NaOH, 40%	20	65
Sulfide, 6%	1,600	–
Sulphonic Acid	125	85
Titanium Dioxide Slurry	10,000	–
Triacetate Dope	48,000 – 60,000	105
Triethylene Glycol	40	70
Varnish	140	100

## CONVERSION FACTORS

Convert	To	Multiply By
centimeters	inches	.3937
cubic centimeters	cubic inches	.061
cubic inches	cubic centimeters	16.3872
cubic inches	gallons	.00433
cubic inches	liters	.01639
degrees °C	degrees °F	(°C x 1.8) + 32
degrees °F	degrees °C	(°F – 32°) x .5555
feet	meters	.3048
gallons	cubic inches	231
gallons	liters	3.78533
horsepower	kilowatts	.7457
inches H2O	kiloPascals	4.0322
inches Hg	kiloPascals	.2953

Convert	To	Multiply By
kilometers	miles	.62137
kiloPascals	PSI	.145
kiloPascals	mm H2O	.0098
kiloPascals	mm Hg	.1333
liters	cubic inches	61.025
liters	gallons	.26418
meters	feet	3.2808
meters	inches	39.37
miles	kilometers	1.6093
millimeters H2O	kiloPascals	102.0408
millimeters Hg	kiloPascals	7.50
ounces (avoir)	grams	28.3495
ounces (fluid)	cubic centimeters	29.5737

Convert	To	Multiply By
ounces (fluid)	liters	.02957
pounds	kilograms	.45359
PSI	kiloPascals	6.895
square centimeters	square inches	.1550
square feet	square meters	.0929
square inches	square centimeters	6.4516
square meters	square inches	1550
square meters	square yards	1.9598
square yards	square meters	.83613
tons	kilograms	907.1846
yards	meters	.9144