Viscosity Chart

N - Newtonian
T - Thixotropic
D - Dilatent

Fluid		Specific Gravity	Viscosity CPS	Viscous Type
Reference	Water	1.0	1.0	N
Adhesives	"Box" Adhesives	1+-	3,000	T
	PVA	1.3	100	T
	Rubber & Solvents	1.0	15,000	N
Bakery	Batter	1.0	2,000	T
	Butter (Melted)	0.98	18 @ 140°F	N
	Egg (Whole)	0.5	60 @ 50°F	N
	Emulsifier		20	T
	Frosting	1.0	10,000	T
	Lectithin		3,250 @ 125°F	T
	77% Sweetened Condensed Milk	1.3	10,000 @ 77°F	N
	Yeast Slurry 15%	1.0	180	T
Beer/Wine	Beer	1.0	1.1 @ 40°F	N
	Brewers Concentrated Yeast (80% solids)		16,000 @ 40°F	T
	Wort			
	Wine	1		
Confectionery	Caramel	1.2	400 @ 140°F	
	Chocolate	1.1	17,000 @ 120°F	T
	Fudge (Hot)	1.1	36,000	T
	Toffee	1.2	87,000	T
Cosmetics/Soaps	Face Cream		10,000	T
	Hair Gel	1.4	5,000	T
	Shampoo		5,000	T
	Toothpaste		20,000	T
	Hand Cleaner		2,000	T
Dairy	Cottage Cheese	1.08	225	T
	Cream	1.02	20 @ 40°F	N
	Milk	1.03	1.2 @ 60°F	N
	Process Cheese		30,000 @ 160°F	T
	Yogurt		1,100	T
Detergents	Detergent Concentrate		10	N
Dyes & Inks	Printers Ink	1 to 1.38	10,000	T
	Dye	1.1	10	N
	Gum		5,000	T
Fats & Oils	Corn Oil	0.92	30	N
	Lard	0.96	60 @ 100°F	N
	Linseed Oil	0.93	30 @ 100°F	N
	Peanut Oil	0.92	42 @ 100°F	N
	Soybean Oil	0.95	36 @ 100°F	N
	Vegetable Oil	0.92	3 @ 300°F	N
Misc. Foods	Black Bean Paste		10,000	T
	Cream Style Corn		130 @ 190°F	T
	Catsup (Ketsup)	1.11	560 @ 145°F	T
	Pablum		4,500	T
	Pear Pulp		4,000 @ 160°F	T
	Mashed Potato	1	20,000	T
	Potato Skins & Caustic		20,000 @ 100°F	T
	Prune Juice	1	60 @ 120°F	T
	Orange Juice Concentrate	1.1	5,000 @ 38°F	T
	Tapioca Pudding	0.7	1,000 @ 235°F	T
	Mayonnaise	1	5,000 @ 75°F	T
	33% Tomato Paste	1.14	7,000	T
	Honey	1.5	1,500 @ 100°F	

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IPR2025-01169
HydraFacial Ex. 2056

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Fluid		Specific Gravity	Viscosity CPS	Viscous Type
Meat Products	Melted Animal Fats	0.9	43 @ 100°F	N
	Ground Beef Fats	0.9	11,000 @ 60°F	T
	Meat Emulsion	1	22,000 @ 40°F	T
	Pet Food	1	11,000 @ 40°F	T
	Pork Fat Slurry	1	650 @ 40°F	T
Misc. Chemicals	Glycols	1.1	35 @ Range	
Paint	Metallic Auto Paints		220	T
	Solvents	0.8 to 0.9	0.5 to 10	N
	Titanium Dioxide Slurry		10,000	T
	Varnish	1.06	140 @ 100°F	
	Turpentine	0.86	2 @ 60°F	
Paper & Textile	Black Liquor Tar		2,000 @ 300°F	
	Paper Coating 35%		400	
	Sulfide 6%		1,600	
	Black Liquor	1.3	1,100 @ 122°F	
	Black Liquor Soap		7,000 @ 122°F	
Petroleum & Petroleum Products	Asphalt (Unblended)	1.3	500 to 2,500	
	Gasoline	0.7	0.8 @ 60°F	N
	Kerosene	0.8	3 @ 68°F	N
	Fuel Oil #6	0.9	660 @ 122°F	N
	Auto Lube Oil SAE 40	0.9	200 @ 100°F	N
	Auto Lube Oil SAE 90	0.9	320 @ 100°F	N
	Propane	0.46	0.2 @ 100°F	N
	Tars	1.2	Wide Range	
Pharmaceuticals	Castor Oil	0.96	350	N
	Cough Syrup	1	190	N
	"Stomach" Remedy Slurries		1,500	T
	Pill Pastes		5,000 +-	T
Plastic Resins	Butadiene	0.94	0.17 @ 40°F	
	Polyester Resin (Typ)	1.4	3,000	T
	PVA Resin (Typ)	1.3	65,000	
	(Wide variety of plastics can be pumped, viscosity varies greatly)			
Starches & Gums	Corn Starch Sol 22°B	1.18	32	T
	Corn Starch Sol 25°B	1.21	300	T
Sugar, Syrups, Molasses	Corn Syrup 41 Be	1.39	15,000 @ 60°F	N
	Corn Syrup 45 Be	1.45	12,000 @ 130°F	N
	Glucose	1.42	10,000 @ 100°F	
	Molasses A	1.42	280 to 5,000 @ 100°F	
	B	1.43 to 1.48	1,400 to 13,000 @ 100°F	
	C	1.46 to 1.49	2,600 to 5,000 @ 100°F	
	Sugar Syrups			
	60 Brix	1.29	75 @ 60°F	N
	68 Brix	1.34	360 @ 60°F	N
	76 Brix	1.39	4,000 @ 60°F	N
Water & Waste Treatment	Clarified Sewage Sludge	1.1	2,000 Range	