



Material Bulk Density Chart



Material Bulk Density Chart

Material	Lbs/cu.ft	Kgs/cu.m
Abrasive Compound	148	2371
Abrasive Mix	153	2451
Acetate	35	561
Acetate Flakes	21	336
Acrylic Fibres		144
Acrylic Resin	32	513
Activated Aluminium	15	240
Activated Carbon	20	320
Adipic Acid	40	641
Alcanol	39	625
Alfalfa Leaf Meal	15	240
Alfalfa Meal	17	272
Alfalfa Meal, Fine Ground	19	304
Alfalfa Pellets	42	673
Alfalfa Seed	46	737
Alumina	40	641
Alumina Powder	18	288
Alumina, Activated	48	769
Alumina, Calcined.	63	1009
Alumina, Metal Grade	67	1073
Aluminium Flake	150	2403
Aluminium Fluoride	55	881
Aluminium Magnesium Silicate	21	336
Aluminium Oxide	80	1282
Aluminium Powder	44	705
Aluminium Silicate	33	529
Aluminium Sulphate	65	1041
Ammonium Bromide	76	1218
Ammonium Chloride	38	609
Ammonium Nitrate	49	785
Ammonium Nitrate Pills	38	609
Ammonium Perchloride	62	993
Ammonium Phosphate	55	881
Ammonium Sulphate	69	1105
Amorphous Silica	11	176
Anthracite, Powdered	35	561
Antimony Oxide	44	705
Antioxidant (Granules)	41	657

Material Bulk Density Chart

Antioxidant (Powder)	28	449
Apple Slices Diced	15	240
Aquafloc	10	160
Arsenic Trioxide	41	657
Asbestos	22	352
Asbestos Fibre	20	320
Asbestos Powder	28	449
Ascorbic Acid (Coarse)	45	721
Ascorbic Acid (Fine)	32	513
Ash, Ground	105	1682
Ashes , Dry Loose	38	609
Ashes , Wet Loose	47	753
Baking Powder	56	897
Barbasco Root	33	529
Barites	120	1922
Barium Carbonate	55	881
Barium Oxide	63	1009
Barium Stearate	13	208
Barium Sulphate	60	961
Barley (Whole)	40	641
Barley Meal	28	449
Barley, Fine Ground	46	737
Barley, Ground	25	400
Barley, Malted	30	481
Barley, Rolled	23	368
Barley, Scoured	41	657
Bauxite	45	721
Beans (Soya)	46	737
Beans, White	45	721
Beet Pulp	18	288
Bentonite	50	801
Bicarbonate of Soda	62	993
Bleach Compound	60	961
Blood Flour	30	481
Blood Meal	38.5	617
Bone Meal Loose	55	881
Bone, Ground Dry	75	1202
Borax	60	961
Boric Acid	54	865
Bran	35	561
Brass Powder	100	1602

Material Bulk Density Chart

Bread Crumbs		96
Brewers Grains (Dry)	16	256
Bronze Powder	78	1250
Buckwheat (Whole)	38	609
Buckwheat Bran	16	256
Buckwheat Flour	41	657
Buckwheat Hulls	13	208
Buckwheat Middlings	22	352
Buttermilk Dried	31	497
Cake Mix	44	705
Calcium	30	481
Calcium Borate	61	977
Calcium Carbide, Crushed	80	1282
Calcium Carbonate	44	705
Calcium Chloride	60	961
Calcium Fluoride	102	1634
Calcium Hydroxide	40	641
Calcium Phosphate	48	769
Calcium Silicate	10	160
Calcium Stearate	20	320
Calcium Sulphate	45	721
Cane Seed	41	657
Carbon (Pelletised)	42	673
Carbon Activated	17	272
Carbon Black	35	561
Carbon Black (Beads)	19	304
Carbon Black (Pelletised)	22	352
Carbon Black Graphite	45	721
Carbon Crystallized	58	929
Carbon Dust	38	609
Carbon Granules	59	945
Casein	36	577
Caustic Soda	31	497
Cellulose Acetate	10	160
Cement	85	1362
Cement (Portland)	94	1506
Cement (Portland) Clinker	95	1522
Cement Dust	50	801
Ceramic Compound	85	1362
Cereal Mix	43	689
Charcoal (Powder)	24	384

Material Bulk Density Chart

Chemco Burnishing Compound	35	561
Chicory	34	545
Chicory (Powder)	30	481
Chilli Spice	45	721
Chlorine Compound	28	449
Chlorine Powder	36	577
Chocolate Drink Mix	26	417
Chromic Acid Powder	100	1602
Cinders, Blast Furnace	57	913
Cinders, Coal, Ashes & Clinker	40	641
Cinnamon Powder	35	561
Citric Acid	48	769
Clay	50	801
Clay (Bentonite)	50	801
Clay (Calcined)	30	481
Clay (Fine)	62	993
Clay (Fines)	70	1121
Clay (Granite)	32	513
Clay (Kaolin)	48	769
Clinker Dust	90	1442
Clover Seed	48	769
Coagulant	36	577
Coal (Granules)	52	833
Coal (Pulverized)	38	561
Coal Anthracite	58	929
Coal Bituminous	52	641
Coal Dust	35	561
Coal Powder	40	641
Cobalt Carbonate	60	961
Cobalt Fines	256	4101
Cocoa	35	561
Cocoa Flavouring	55	881
Cocoa Shells	30	481
Coconut Chips	38	609
Coffee (Instant)	19	304
Coffee, Green (Beans)	38	609
Coffee, Roasted (Beans)	23	368
Coke (Granules)	52	833
Coke Dust	15	240
Coke Fines	39	625
Coke, Calcined (Course)	56	897

Material Bulk Density Chart

Coke, Calcined (Fines)	59	945
Coke, Calcined (Intermediate)	59	945
Coke, Pulverised	45	721
Copper (Fines)	101	1618
Copper Hydroxide	25	400
Copper Sulphate	52	833
Copra Meal, Loose	27	433
Cork, Solid	15	240
Corn Bran	13	208
Corn Flour	51	817
Corn Germ Meal	35	561
Corn Gluten Feed	29	465
Corn Gluten Meal	37	593
Corn Grits	42	673
Corn Mash	45	721
Corn Meal	40	641
Corn Oil Meal	34	545
Corn Starch	42	673
Corn, (Whole shelled)	45	721
Corn, Chops (Coarse)	42	673
Corn, Chops (Fine)	38	609
Corn, Chops (Medium)	40	641
Corn, Cracked (Coarse)	40	641
Corn, Ground	35	561
Corn, Hominy Feed	27	433
Corn, Kibbled	21	336
Cottonseed Cake	42	673
Cottonseed Delinted	30	481
Cottonseed Flour	56	897
Cottonseed Hulls	12	192
Cottonseed Meats	40	641
Cryolite	86	1378
Detergent (Flake)	32	513
Detergent (Powder)	38	609
Dextrose	36	577
Diammonium Phosphate	50	801
Diatomaceous Earth	16	256
Diatomite	14	224
Dicalite	12	192
Dielectric Compound	45	721
Distillers Grains	18	288

Material Bulk Density Chart

Dolomite	54	865
Dolomite Lime	46	737
Egg Yoke Powder	23	368
Eggs (Powdered)	22	352
Electrolyte	60	961
Epoxy Powder	49	785
Ferric Chloride	43	689
Ferric Sulphate	61	977
Ferro Silicate	78	1250
Ferro Silicon	87	1394
Ferrous Carbonate	87	1394
Fibreglass	22	352
Filter Cake (Centrifuge)	40	641
Fish meal	38	609
Flaxseed	44	705
Flint	97	1554
Floc	13	208
Floc (Solka)		144
Flour	48	769
Flour (Barley Malt)	45	721
Flour (Barley)	38	609
Flour (Corn)	39	625
Flour (Rye)	42	673
Flour (Soy)	44	705
Flour (Soya)	40	641
Flour (Wheat)	42	673
Fluorite	78	1250
Fluorspar	112	1794
Flux	145	2323
Fly Ash	65	1041
Fullers Earth	35	561
Fumaric Acid	40	641
Garlic (Flakes)	22	352
Garlic (Powder)	20	320
Gelatine	45	721
Glass (Ground)	103	1650
Glass (Powder)	103	1650
Glass Beads	100	1602
Glass Microspheres	62	993
Gold Powder	53	849
Grain	36	577

Material Bulk Density Chart

Granite, Crushed	97	1554
Graphite	48	769
Graphite (Flakes)	42	673
Graphite (Granules)	68	1089
Graphite (Powder)	35	561
Graphite (Pulverized)	22	352
Gravel	110	1762
Grinding Compound	99	1586
Ground Bone	50	801
Gum Base	42	673
Gum Granules	36	577
Gum Resin	32	513
Gypsum	54	865
Gypsum (Calcined)	55	881
Gypsum (Ground)	42	673
Ice, Crushed	40	641
Iron Chromite	114	1826
Iron Fillings	180	2884
Iron Ore	162	2595
Iron Oxide	80	1282
Iron Oxide (Black)	161	2579
Iron Oxide (Red)	69	1105
Iron Powder	175	2804
Iron Sulphate	80	1282
Kaolin	49	785
Kaolin Clay	50	801
Latex Powder	89	1426
Lead Arsenate	90	1442
Lead Carbonate	81	1298
Lead Chloride Crystals	72	1153
Lead Oxide	63	1009
Lead Stabilizer	43	689
Ligno Sulfinat	30	481
Lignone	36	577
Lignosol	24	384
Lime	35	561
Lime (Dolomitic)	42	673
Lime (Granular)	80	1282
Lime (Hydrated)	40	641
Lime (Pebble)	45	721
Lime (Pulverised Quick)	60	961

Material Bulk Density Chart

Lime (Quick)	55	881
Limestone	60	961
Limestone (Ground)	59	945
Limestone (Pulverised)	68	1089
Limestone Dust	69	1105
Limestone Filler	63	1009
Limestone Flour	69	1105
Linseed Meal	25	400
Liquorice Powder	28	449
Magnesia	78	1250
Magnesite	27	433
Magnesite Light	40	641
Magnesium Carbonate	12	192
Magnesium Chips	60	961
Magnesium Chloride	12	192
Magnesium Hydroxide	39	625
Magnesium Oxide	65	1041
Magnesium Silicate	58	929
Magnesium Stearate	21	336
Magnesium Sulphate	52	833
Magnetite	165	2643
Malted Barley Flour	40	641
Malted Wheat Flour	41	657
Manganese Dioxide	70	1121
Manganese Ore	110	1762
Mannitol	38	609
Marble (Granular)	80	1282
Marble (Ground)	93	1490
Meat Meal	37	593
Melamine	45	721
Melamine Powder	32	513
Metallic Flakes	35	561
Metallic Powder	165	2643
Metasol	38	609
Mica (Flakes)	10	160
Mica (Powder)	41	657
Milk (Powdered Whole)	35	561
Milk (Powdered)	13	208
Milk (Whole)	32	513
Millet	40	641
Milo, Ground	34	545

Material Bulk Density Chart

Molasses Feed	22	352
Molding Sand	75	1202
Molybdenum Disulfide	44	705
Molybdenum Oxide	98	1570
Molybdi Oxide	16	256
Monosodium Phosphate	55	881
Naphthalene Flakes	36	577
Natrosol	28	449
Nickel	60	961
Nickel Oxide	28	449
Nickel Powder	75	1202
Nuts (Almond)	29	465
Nuts (Cashews)	31	497
Nuts (Peanuts)	33	529
Nylon Fibres	10	160
Nylon Flakes	32	513
Nylon Pellets (1/8")	35	561
Nylon Powder	39	625
Oat Flour	33	529
Oat Middlings	38	609
Oats	27	433
Oats (Ground)	29	465
Oats (Rolled)	22	352
Oats Groats (Whole)	46.5	745
Oats, Hulls		128
Onions (Chopped)	14	224
Onions (Minced)		128
Onions (Powdered)	25	400
Oxalic Acid	52	833
Oxychloride	36	577
Oyster Shell (Ground, - 0.5")	53	849
Peanut Brittle	36	577
Peanut Meal	28	449
Peanuts (Shelled)	43	689
Peanuts (Unshelled)	21	336
Peat Moss	10	160
Peppermint Powder	34	545
Peppers (Chopped)	21	336
Peppers (Whole)	16	256
Perlite	15	240
Perlite filter Aid		128

Material Bulk Density Chart

Perlite Ore	65	1041
Petroleum Coke	55	881
Petroleum Coke Dust	25	400
Phenofil	30	481
Phenol Formaldehyde	30	481
Phenolic Powder	32	513
Phosphate	80	1282
Phosphate Rock Crushed	69	1105
Phosphate Rock Dust	90	1442
Phosphate Rock ground	70	1121
Plaster Of Paris	49	785
Plastic (Beads)	46	737
Plastic (Cubes)	38	609
Plastic (Flakes)	48	769
Plastic (Pellets)	45	721
Plastic Powder	42	673
Plastic Resin	40	641
Polyamide Resin	31	497
Polycarbonate Resin	44	705
Polyester Adhesive Powder	30	481
Polyester Flakes	27	433
Polyester Resin	34	545
Polyethylene	43	689
Polyethylene Beads	42	673
Polyethylene Film		128
Polyethylene Flakes		96
Polyethylene Granular	30	481
Polyethylene Pellets	35	561
Polyethylene Powder	35	561
Polyhedral Alcohol	37	593
Polymer	20	320
Polymer Reagent	39	625
Polymer Resin	38	609
Polypropylene	30	481
Polypropylene Pellets	32	513
Polypropylene Powder	33	529
Polypropylene Flakes	22	352
Polystyrene Beads	40	641
Polystyrene Pellets	38	609
Polystyrene Powder	33	529
Polyurethane Pellets	45	721

Material Bulk Density Chart

Polyvinyl Acetate	39	625
Polyvinyl Alcohol	39	625
Polyvinyl Chloride	41	657
Polyvinyl Chloride Pellets	39	625
Potassium Bromide (5%Moist)	114	1826
Potassium Carbonate (Potash)	74	1185
Potassium Chloride	60	961
Potassium Iodate	129	2067
Potassium Muriate	66	1057
Potassium Sulphate	90	1442
Potatoes (Flakes)	13	208
Potatoes (Powdered)	48	769
Potting Soil	16	256
Poultry Meal	36	577
Powdered Sugar	35	561
Pumice Powder	39	625
PVC Chips	54	865
PVC Resin	32	513
Raisins (Moist)	38	609
Rapeseed	48.3	774
Red Lead	165	2643
Red Oxide Pigment	72	1153
Rice	45	721
Rice (Puffed)		96
Rice Bran	26	417
Rock Salt	68	1089
Rubber (Granules)	28	449
Rubber Composition Powder	34	545
Rubber Compound	38	609
Rubber Crumb	22	352
Rubber Foam (Chopped)		48
Rubber Powder	33	529
Rye Bran	18	288
Rye Feed	33	529
Rye, Malted	32	513
Rye, Middlings	42	673
Rye, Shorts	33	529
Rye, Whole	44	705
Salt, Fine Table	86	1378
Salt, Granulated	80	1282
Sand	99	1586

Material Bulk Density Chart

Sand (Dry)	110	1762
Sand (Fine)	125	2002
Sand (Foundry)	100	1602
Sand (Moist)	130	2083
Sand (Molding)	78	1250
Sand Foundry, Coarse	96	1538
Sand Foundry, Fine	104	1666
Sawdust (Coarse)	25	400
Sawdust (Fine)	18	288
Sawdust (Moist)	28	449
Seed (Grass)	40	641
Shellac Resin	81	1298
Silica Flour	80	1282
Silica Gel	42	673
Silica Sand	81	1298
Silicon Carbide	45	721
Silicon Dioxide		48
Silver (Powder)	69	1105
Slate (Crushed)	100	1602
Soap Flakes	29	465
Soap Powder	36	577
Soapstone	47	753
Soda Ash	54	865
Soda Ash-Iron Chromite	77	1234
Sodium Aluminate	61	977
Sodium Benzoate	47	753
Sodium Bicarbonate	50	801
Sodium Bisulphate	90	1442
Sodium Borate	77	1234
Sodium Caseinate	21	336
Sodium Chloride	80	1282
Sodium Chloride	83	1330
Sodium Hydrosulphate	70	1121
Sodium Hydrosulphite	73	1169
Sodium Hydroxide	60	961
Sodium Metasilicate	70	1121
Sodium Naphtholine Sulph.	27	433
Sodium Nitrate	84	1346
Sodium Perborate	53	849
Sodium Pyrophosphate	63	1009
Sodium Silicate	32	513

Material Bulk Density Chart

Sodium Sulphate	85	1362
Sodium Sulphite	102	1634
Sodium Thiosulfate	55	881
Sodium Tripolyphosphate	60	961
Soybean Flakes	36	577
Soybean Hulls	25	400
Soybean Meal	40	641
Starch (Corn)	43	689
Stearic Acid (Flakes)	32	513
Stearic Acid (Powder)	36	577
Styrene Beads	45	721
Sucrose	53	849
Sucrose Octoacetate	33	529
Sugar (Beet)	50	801
Sugar (Dextrose)	39	625
Sugar (Granulated)	44	705
Sugar (Powdered)	35	561
Sulphur	45	721
Sulphur (Granular)	70	1121
Sunflower Seed	38	609
Talcum Powder	55	881
Tantalum Powder	40	641
Tea	27	433
Tea (Flakes)	24	384
Tea (Powdered)	27	433
Teflon (Fibre)	30	481
Teflon (Granules)	36	577
Teflon (Powdered)	29	465
Teflon Pellets	60	961
Terephthalic Acid	30	481
Thiamine	47	753
Thionex	30	481
Thorium Oxide	62	993
Titanium Dioxide	48	769
Tobacco (Cigarette)	12	192
Tobacco (Powdered)	28	449
Tricalcium Phosphate	35	561
Trichloroacetic Acid	50	801
Tripolyphosphate	80	1282
Trisodium Phosphate	50	801
Tumac (Acid Fines)	51	817

Material Bulk Density Chart

Tungsten Carbide	250	4005
Uranium (Compound)	191	3060
Uranium (Granules)	184	2948
Uranium Oxide	108	1730
Urea	42	673
Urea Formaldehyde	36	577
Urea Powder	39	625
Urea Prills	45	721
Vermiculite	62	993
Vinyl Acetate	36	577
Vinyl Chips (Irregular)	20	320
Vinyl Compound	36	577
Vinyl Powder	34	545
Vinyl Resin	36	577
Wax (Flake)	50	801
Wax (Powder)	38	609
Wheat (Hulls)	44	705
Wheat (Shaved)	34	545
Wheat Flour	30	481
Wheat Gluten	43	689
Wheat Middling	15	240
Wheat, Cracked	35	561
Wheat, Whole	49	785
Whey	35	561
White Lead	85	1362
Wood Chips	30	481
Wood Flour	20	320
Wood Shavings	10	160
Yeast	59	945
Zinc Ammonium Chloride	66	1057
Zinc Carbonate	35	561
Zinc Oxide	55	881
Zinc Powder	210	3364