

Bulk Density Table

Material	Kgs/m ³	Lbs/cu.ft
Abrasive Compound	2371	148
Abrasive Mix	2451	153
Acetate	561	35
Acetate Flakes	336	21
Acrylic Fibres	144	9
Acrylic Resin	513	32
Activated Aluminium	240	15
Activated Carbon	320	20
Adipic Acid	641	40
Alcanol	625	39
Alfalfa Leaf Meal	240	15
Alfalfa Meal	272	17
Alfalfa Meal, Fine Ground	304	19
Alfalfa Pellets	673	42
Alfalfa Seed	737	46
Alumina	641	40
Alumina Powder	288	18
Alumina, Activated	769	48
Alumina, Calcined.	1009	63
Alumina, Metal Grade	1073	67
Aluminium Flake	2403	150
Aluminium Fluoride	881	55
Aluminium Magnesium Silicate	336	21
Aluminium Oxide	1282	80
Aluminium Powder	705	44
Aluminium Silicate	529	33
Aluminium Sulphate	1041	65
Ammonium Bromide	1218	76
Ammonium Chloride	609	38
Ammonium Nitrate	785	49
Ammonium Nitrate Pills	609	38
Ammonium Perchloride	993	62
Ammonium Phosphate	881	55
Ammonium Sulphate	1105	69
Amorphous Silica	176	11
Anthracite, Powdered	561	35
Antimony Oxide	705	44
Antioxidant (Granules)	657	41
Antioxidant (Powder)	449	28
Apple Slices Diced	240	15
Aquafloc	160	10
Arsenic Trioxide	657	41
Asbestos	352	22
Asbestos Fibre	320	20
Asbestos Powder	449	28
Ascorbic Acid (Coarse)	721	45
Ascorbic Acid (Fine)	513	32
Ash, Ground	1682	105

Ashes , Dry Loose	609	38
Ashes , Wet Loose	753	47
Baking Powder	897	56
Barbasco Root	529	33
Barites	1922	120
Barium Carbonate	881	55
Barium Oxide	1009	63
Barium Stearate	208	13
Barium Sulphate	961	60
Barley (Whole)	641	40
Barley Meal	449	28
Barley, Fine Ground	737	46
Barley, Ground	400	25
Barley, Malted	481	30
Barley, Rolled	368	23
Barley, Scoured	657	41
Bauxite	721	45
Beans (Soya)	737	46
Beans, White	721	45
Beet Pulp	288	18
Bentonite	801	50
Bicarbonate of Soda	993	62
Bleach Compound	961	60
Blood Flour	481	30
Blood Meal	617	385
Bone Meal Loose	881	55
Bone, Ground Dry	1202	75
Borax	961	60
Boric Acid	865	54
Bran	561	35
Brass Powder	1602	100
Bread Crumbs	96	
Brewers Grains (Dry)	256	16
Bronze Powder	1250	78
Buckwheat (Whole)	609	38
Buckwheat Bran	256	16
Buckwheat Flour	657	41
Buckwheat Hulls	208	13
Buckwheat Middlings	352	22
Buttermilk Dried	497	31
Cake Mix	705	44
Calcium	481	30
Calcium Borate	977	61
Calcium Carbide, Crushed	1282	80
Calcium Carbonate	705	44
Calcium Chloride	961	60
Calcium Fluoride	1634	102
Calcium Hydroxide	641	40
Calcium Phosphate	769	48
Calcium Silicate	160	10
Calcium Stearate	320	20
Calcium Sulphate	721	45
Cane Seed	657	41
Carbon (Pelletised)	673	42
Carbon Activated	272	17
Carbon Black	561	35

Carbon Black (Beads)	304	19
Carbon Black (Pelletised)	352	22
Carbon Black Graphite	721	45
Carbon Crystallized	929	58
Carbon Dust	609	38
Carbon Granules	945	59
Casein	577	36
Caustic Soda	497	31
Cellulose Acetate	160	10
Cement	1362	85
Cement (Portland)	1506	94
Cement (Portland) Clinker	1522	95
Cement Dust	801	50
Ceramic Compound	1362	85
Cereal Mix	689	43
Charcoal (Powder)	384	24
Chemco Burnishing Compound	561	35
Chicory	545	34
Chicory (Powder)	481	30
Chilli Spice	721	45
Chlorine Compound	449	28
Chlorine Powder	577	36
Chocolate Drink Mix	417	26
Chromic Acid Powder	1602	100
Cinders, Blast Furnace	913	57
Cinders, Coal, Ashes & Clinker	641	40
Cinnamon Powder	561	35
Citric Acid	769	48
Clay	801	50
Clay (Bentonite)	801	50
Clay (Calcined)	481	30
Clay (Fine)	993	62
Clay (Fines)	1121	70
Clay (Granite)	513	32
Clay (Kaolin)	769	48
Clinker Dust	1442	90
Clover Seed	769	48
Coagulant	577	36
Coal (Granules)	833	52
Coal (Pulverized)	561	38
Coal Anthracite	929	58
Coal Bituminous	641	52
Coal Dust	561	35
Coal Powder	641	40
Cobalt Carbonate	961	60
Cobalt Fines	4101	256
Cocoa	561	35
Cocoa Flavouring	881	55
Cocoa Shells	481	30
Coconut Chips	609	38
Coffee (Instant)	304	19
Coffee, Green (Beans)	609	38
Coffee, Roasted (Beans)	368	23
Coke (Granules)	833	52
Coke Dust	240	15
Coke Fines	625	39

Coke, Calcined (Course)	897	56
Coke, Calcined (Fines)	945	59
Coke, Calcined (Intermediate)	945	59
Coke, Pulverised	721	45
Copper (Fines)	1618	101
Copper Hydroxide	400	25
Copper Sulphate	833	52
Copra Meal, Loose	433	27
Cork, Solid	240	15
Corn Bran	208	13
Corn Flour	817	51
Corn Germ Meal	561	35
Corn Gluten Feed	465	29
Corn Gluten Meal	593	37
Corn Grits	673	42
Corn Mash	721	45
Corn Meal	641	40
Corn Oil Meal	545	34
Corn Starch	673	42
Corn, (Whole shelled)	721	45
Corn, Chops (Coarse)	673	42
Corn, Chops (Fine)	609	38
Corn, Chops (Medium)	641	40
Corn, Cracked (Coarse)	641	40
Corn, Ground	561	35
Corn, Hominy Feed	433	27
Corn, Kibbled	336	21
Cottonseed Cake	673	42
Cottonseed Delinted	481	30
Cottonseed Flour	897	56
Cottonseed Hulls	192	12
Cottonseed Meats	641	40
Cryolite	1378	86
Detergent (Flake)	513	32
Detergent (Powder)	609	38
Dextrose	577	36
Diammonium Phosphate	801	50
Diatomaceous Earth	256	16
Diatomite	224	14
Dicalite	192	12
Dielectric Compound	721	45
Distillers Grains	288	18
Dolomite	865	54
Dolomite Lime	737	46
Egg Yoke Powder	368	23
Eggs (Powdered)	352	22
Electrolyte	961	60
Epoxy Powder	785	49
Ferric Chloride	689	43
Ferric Sulphate	977	61
Ferro Silicate	1250	78
Ferro Silicon	1394	87
Ferrous Carbonate	1394	87
Fibreglass	352	22
Filter Cake (Centrifuge)	641	40
Fish meal	609	38

Flaxseed	705	44
Flint	1554	97
Floc	208	13
Floc (Solka)	144	
Flour	769	48
Flour (Barley Malt)	721	45
Flour (Barley)	609	38
Flour (Corn)	625	39
Flour (Rye)	673	42
Flour (Soy)	705	44
Flour (Soya)	641	40
Flour (Wheat)	673	42
Fluorite	1250	78
Fluorspar	1794	112
Flux	2323	145
Fly Ash	1041	65
Fullers Earth	561	35
Fumaric Acid	641	40
Garlic (Flakes)	352	22
Garlic (Powder)	320	20
Gelatine	721	45
Glass (Ground)	1650	103
Glass (Powder)	1650	103
Glass Beads	1602	100
Glass Microspheres	993	62
Gold Powder	849	53
Grain	577	36
Granite, Crushed	1554	97
Graphite	769	48
Graphite (Flakes)	673	42
Graphite (Granules)	1089	68
Graphite (Powder)	561	35
Graphite (Pulverized)	352	22
Gravel	1762	110
Grinding Compound	1586	99
Ground Bone	801	50
Gum Base	673	42
Gum Granules	577	36
Gum Resin	513	32
Gypsum	865	54
Gypsum (Calcined)	881	55
Gypsum (Ground)	673	42
Ice, Crushed	641	40
Iron Chromite	1826	114
Iron Fillings	2884	180
Iron Ore	2595	162
Iron Oxide	1282	80
Iron Oxide (Black)	2579	161
Iron Oxide (Red)	1105	69
Iron Powder	2804	175
Iron Sulphate	1282	80
Kaolin	785	49
Kaolin Clay	801	50
Latex Powder	1426	89
Lead Arsenate	1442	90
Lead Carbonate	1298	81

Lead Chloride Crystals	1153	72
Lead Oxide	1009	63
Lead Stabilizer	689	43
Ligno Sulfinat	481	30
Lignone	577	36
Lignosol	384	24
Lime	561	35
Lime (Dolomitic)	673	42
Lime (Granular)	1282	80
Lime (Hydrated)	641	40
Lime (Pebble)	721	45
Lime (Pulverised Quick)	961	60
Lime (Quick)	881	55
Limestone	961	60
Limestone (Ground)	945	59
Limestone (Pulverised)	1089	68
Limestone Dust	1105	69
Limestone Filler	1009	63
Limestone Flour	1105	69
Linseed Meal	400	25
Liquorice Powder	449	28
Magnesia	1250	78
Magnesite	433	27
Magnesite Light	641	40
Magnesium Carbonate	192	12
Magnesium Chips	961	60
Magnesium Chloride	192	12
Magnesium Hydroxide	625	39
Magnesium Oxide	1041	65
Magnesium Silicate	929	58
Magnesium Stearate	336	21
Magnesium Sulphate	833	52
Magnetite	2643	165
Malted Barley Flour	641	40
Malted Wheat Flour	657	41
Manganese Dioxide	1121	70
Manganese Ore	1762	110
Mannitol	609	38
Marble (Granular)	1282	80
Marble (Ground)	1490	93
Meat Meal	593	37
Melamine	721	45
Melamine Powder	513	32
Metallic Flakes	561	35
Metallic Powder	2643	165
Metasol	609	38
Mica (Flakes)	160	10
Mica (Powder)	657	41
Milk (Powdered Whole)	561	35
Milk (Powdered)	208	13
Milk (Whole)	513	32
Millet	641	40
Milo, Ground	545	34
Molasses Feed	352	22
Molding Sand	1202	75
Molybdenum Disulfide	705	44

Molybdenum Oxide	1570	98
Molybdi Oxide	256	16
Monosodium Phosphate	881	55
Naphthalene Flakes	577	36
Natrosol	449	28
Nickel	961	60
Nickel Oxide	449	28
Nickel Powder	1202	75
Nuts (Almond)	465	29
Nuts (Cashews)	497	31
Nuts (Peanuts)	529	33
Nylon Fibres	160	10
Nylon Flakes	513	32
Nylon Pellets (1/8")	561	35
Nylon Powder	625	39
Oat Flour	529	33
Oat Middlings	609	38
Oats	433	27
Oats (Ground)	465	29
Oats (Rolled)	352	22
Oats Groats (Whole)	745	465
Oats, Hulls	128	
Onions (Chopped)	224	14
Onions (Minced)	128	
Onions (Powdered)	400	25
Oxalic Acid	833	52
Oxychloride	577	36
Oyster Shell (Ground, - 0.5")	849	53
Peanut Brittle	577	36
Peanut Meal	449	28
Peanuts (Shelled)	689	43
Peanuts (Unshelled)	336	21
Peat Moss	160	10
Peppermint Powder	545	34
Peppers (Chopped)	336	21
Peppers (Whole)	256	16
Perlite	240	15
Perlite filter Aid	128	
Perlite Ore	1041	65
Petroleum Coke	881	55
Petroleum Coke Dust	400	25
Phenofil	481	30
Phenol Formaldehyde	481	30
Phenolic Powder	513	32
Phosphate	1282	80
Phosphate Rock Crushed	1105	69
Phosphate Rock Dust	1442	90
Phosphate Rock ground	1121	70
Plaster Of Paris	785	49
Plastic (Beads)	737	46
Plastic (Cubes)	609	38
Plastic (Flakes)	769	48
Plastic (Pellets)	721	45
Plastic Powder	673	42
Plastic Resin	641	40
Polyamide Resin	497	31

Polycarbonate Resin	705	44
Polyester Adhesive Powder	481	30
Polyester Flakes	433	27
Polyester Resin	545	34
Polyethylene	689	43
Polyethylene Beads	673	42
Polyethylene Film	128	
Polyethylene Flakes	96	
Polyethylene Granular	481	30
Polyethylene Pellets	561	35
Polyethylene Powder	561	35
Polyhedral Alcohol	593	37
Polymer	320	20
Polymer Reagent	625	39
Polymer Resin	609	38
Polypropylene	481	30
Polypropylene Pellets	513	32
Polypropylene Powder	529	33
Polypropylene Flakes	352	22
Polystyrene Beads	641	40
Polystyrene Pellets	609	38
Polystyrene Powder	529	33
Polyurethane Pellets	721	45
Polyvinyl Acetate	625	39
Polyvinyl Alcohol	625	39
Polyvinyl Chloride	657	41
Polyvinyl Chloride Pellets	625	39
Potassium Bromide (5%Moist)	1826	114
Potassium Carbonate (Potash)	1185	74
Potassium Chloride	961	60
Potassium Iodate	2067	129
Potassium Muriate	1057	66
Potassium Sulphate	1442	90
Potatoes (Flakes)	208	13
Potatoes (Powdered)	769	48
Potting Soil	256	16
Poultry Meal	577	36
Powdered Sugar	561	35
Pumice Powder	625	39
PVC Chips	865	54
PVC Resin	513	32
Raisins (Moist)	609	38
Rapeseed	774	483
Red Lead	2643	165
Red Oxide Pigment	1153	72
Rice	721	45
Rice (Puffed)	96	
Rice Bran	417	26
Rock Salt	1089	68
Rubber (Granules)	449	28
Rubber Composition Powder	545	34
Rubber Compound	609	38
Rubber Crumb	352	22
Rubber Foam (Chopped)	48	
Rubber Powder	529	33
Rye Bran	288	18

Rye Feed	529	33
Rye, Malted	513	32
Rye, Middlings	673	42
Rye, Shorts	529	33
Rye, Whole	705	44
Salt, Fine Table	1378	86
Salt, Granulated	1282	80
Sand	1586	99
Sand (Dry)	1762	110
Sand (Fine)	2002	125
Sand (Foundry)	1602	100
Sand (Moist)	2083	130
Sand (Molding)	1250	78
Sand Foundry, Coarse	1538	96
Sand Foundry, Fine	1666	104
Sawdust (Coarse)	400	25
Sawdust (Fine)	288	18
Sawdust (Moist)	449	28
Seed (Grass)	641	40
Shellac Resin	1298	81
Silica Flour	1282	80
Silica Gel	673	42
Silica Sand	1298	81
Silicon Carbide	721	45
Silicon Dioxide	48	
Silver (Powder)	1105	69
Slate (Crushed)	1602	100
Soap Flakes	465	29
Soap Powder	577	36
Soapstone	753	47
Soda Ash	865	54
Soda Ash-Iron Chromite	1234	77
Sodium Aluminate	977	61
Sodium Benzoate	753	47
Sodium Bicarbonate	801	50
Sodium Bisulphate	1442	90
Sodium Borate	1234	77
Sodium Caseinate	336	21
Sodium Chloride	1282	80
Sodium Chloride	1330	83
Sodium Hydrosulphate	1121	70
Sodium Hydrosulphite	1169	73
Sodium Hydroxide	961	60
Sodium Metasilicate	1121	70
Sodium Naphtholine Sulph.	433	27
Sodium Nitrate	1346	84
Sodium Perborate	849	53
Sodium Pyrophosphate	1009	63
Sodium Silicate	513	32
Sodium Sulphate	1362	85
Sodium Sulphite	1634	102
Sodium Thiosulfate	881	55
Sodium Tripolyphosphate	961	60
Soybean Flakes	577	36
Soybean Hulls	400	25
Soybean Meal	641	40

Starch (Corn)	689	43
Stearic Acid (Flakes)	513	32
Stearic Acid (Powder)	577	36
Styrene Beads	721	45
Sucrose	849	53
Sucrose Octoacetate	529	33
Sugar (Beet)	801	50
Sugar (Dextrose)	625	39
Sugar (Granulated)	705	44
Sugar (Powdered)	561	35
Sulphur	721	45
Sulphur (Granular)	1121	70
Sunflower Seed	609	38
Talcum Powder	881	55
Tantalum Powder	641	40
Tea	433	27
Tea (Flakes)	384	24
Tea (Powdered)	433	27
Teflon (Fibre)	481	30
Teflon (Granules)	577	36
Teflon (Powdered)	465	29
Teflon Pellets	961	60
Terephthalic Acid	481	30
Thiamine	753	47
Thionex	481	30
Thorium Oxide	993	62
Titanium Dioxide	769	48
Tobacco (Cigarette)	192	12
Tobacco (Powdered)	449	28
Tricalcium Phosphate	561	35
Trichicrocyanuric Acid	801	50
Tripolyphosphate	1282	80
Trisodium Phosphate	801	50
Tumaric (Acid Fines)	817	51
Tungsten Carbide	4005	250
Uranium (Compound)	3060	191
Uranium (Granules)	2948	184
Uranium Oxide	1730	108
Urea	673	42
Urea Formaldehyde	577	36
Urea Powder	625	39
Urea Prills	721	45
Vermiculite	993	62
Vinyl Acetate	577	36
Vinyl Chips (Irregular)	320	20
Vinyl Compound	577	36
Vinyl Powder	545	34
Vinyl Resin	577	36
Wax (Flake)	801	50
Wax (Powder)	609	38
Wheat (Hulls)	705	44
Wheat (Shaved)	545	34
Wheat Flour	481	30
Wheat Gluten	689	43
Wheat Middling	240	15
Wheat, Cracked	561	35

Wheat, Whole	785	49
Whey	561	35
White Lead	1362	85
Wood Chips	481	30
Wood Flour	320	20
Wood Shavings	160	10
Yeast	945	59
Zinc Ammonium Chloride	1057	66
Zinc Carbonate	561	35
Zinc Oxide	881	55
Zinc Powder	3364	210