

## CHARTRE DE DENSITÉ

La chartre qui suit présente la masse volumique apparente de plus de 500 produits. Il s'agit d'une évaluation de la masse de matière qui sera contenue dans un volume de 1 pied cube (système impérial) ou de 1 mètre cube (système métrique). L'évaluation tient compte du volume présumé d'air interstitiel, sachant que plus la matière est tassée, plus elle est dense.

Matériel	Lbs/pi <sup>3</sup>	Kgs/m <sup>3</sup>	Matériel	Lbs/pi <sup>3</sup>	Kgs/m <sup>3</sup>	Matériel	Lbs/pi <sup>3</sup>	Kgs/m <sup>3</sup>
Abrasive Compound	1482	371	Antioxi-dant (Granules)	41	657	Bone, Ground Dry	75	1202
Abrasive Mix	153	2451	Antioxi-dant (Powder)	28	449	Borax	60	961
Acetate	35	561	Apple Slices, Diced	15	240	Boric Acid	54	865
Acetate Flakes	21	336	Aquafloc	10	160	Bran	35	561
Acrylic Fibers		144	Arsenic Trioxide	41	657	Brass Powder	100	1602
Acrylic Resin	32	513	Asbestos	22	352	Bread Crumbs		96
Activated Aluminium	15	240	Asbestos Fiber	20	320	Brewers Grains (Dry)	16	256
Activated Carbon	20	320	Asbestos Powder	28	449	Bronze Powder	78	1250
Adipic Acid	40	641	Ascorbic Acid (Coarse)	45	721	Buckwheat (Whole)	38	609
Alcanol	39	625	Ascorbic Acid (Fine)	32	513	Buckwheat Bran	16	256
Alfalfa Leaf Meal	15	240	Ash, Ground	105	1682	Buckwheat Flour	41	657
Alfalfa Meal	17	272	Ashes , Dry Loose	38	609	Buckwheat Hulls	13	208
Alfalfa Meal, Fine Ground	19	304	Ashes , Wet Loose	47	753	Buckwheat Middlings	22	352
Alfalfa Pellets	42	673	Baking Powder	56	897	Buttermilk, Dried	31	497
Alfalfa Seed	46	737	Barbasco Root	33	529	Cake Mix	44	705
Alumina	40	641	Barites	120	1922	Calcium	30	481
Alumina Powder	18	288	Barium Carbonate	55	881	Calcium Borate	61	977
Alumina, Activated	48	769	Barium Oxide	63	1009	Calcium Carbide, Crushed	80	1282
Alumina, Calcined	63	1009	Barium Stearate	13	208	Calcium Carbonate	44	705
Alumina, Metal Grade	67	1073	Barium Sulphate	60	961	Calcium Chloride	60	961
Aluminum Flakes	150	2403	Barley (Whole)	40	641	Calcium Fluoride	102	1634
Aluminum Fluoride	55	881	Barley Meal	28	449	Calcium Hydroxide	40	641
Aluminum Magnesium Silicate	21	336	Barley, Fine Ground	46	737	Calcium Phosphate	48	769
Aluminum Oxide	80	1282	Barley, Ground	25	400	Calcium Silicate	10	160
Aluminum Powder	44	705	Barley, Malted	30	481	Calcium Stearate	20	320
Aluminum Silicate	33	529	Barley, Rolled	23	368	Calcium Sulphate	45	721
Aluminum Sulphate	65	1041	Barley, Scoured	41	657	Cane Seed	41	657
Aluminum Bromide	76	1218	Bauxite	45	721	Carbon (Pelletized)	42	673
Ammonium Chloride	38	609	Beans (Soya)	46	737	Carbon Activated	17	272
Ammonium Nitrate	49	785	Beans, White	45	721	Carbon Black	35	561
Ammonium Nitrate Pills	38	609	Beet Pulp	18	288	Carbon Black (Beads)	19	304
Ammonium Perchloride	62	993	Bentonite	50	801	Carbon Black (Pelletized)	22	352
Ammonium Phosphate	55	881	Bicarbonate of Soda	62	993	Carbon Black Graphite	45	721
Ammonium Sulphate	69	1105	Bleach Compound	60	961	Carbon Crystallized	58	929
Amorphous Silica	11	176	Blood Flour	30	481	Carbon Dust	38	609
Anthracite, Powdered	35	561	Blood Meal	38.5	617	Carbon Granules	59	945
Antimony Oxide	44	705	Bone Meal, Loose	55	881	Casein	36	577

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DISTRIBUTION

Matériel	Lbs/pi <sup>3</sup>	Kgs/m <sup>3</sup>		Lbs/pi <sup>3</sup>	Kgs/m <sup>3</sup>		Lbs/pi <sup>3</sup>	Kgs/m <sup>3</sup>
Caustic Soda	31	497	Copper (Fines)	101	1618	Flint	97	1554
Cellulose Acetate	10	160	Copper Hydroxide	25	400	Floc	13	208
Cement	85	1362	Copper Sulphate	52	833	Floc (Solka)		144
Cement (Portland)	94	1506	Copra Meal, Loose	27	433	Flour	48	769
Cement (Portland) Clinker	95	1522	Cork, Solid	15	240	Flour (Barley Malt)	45	721
Cement Dust	50	801	Corn Bran	13	208	Flour (Barley)	38	609
Ceramic Compound	85	1362	Corn Flour	51	817	Flour (Corn)	39	625
Cereal Mix	43	689	Corn Germ Meal	35	561	Flour (Rye)	42	673
Charcoal (Powder)	24	384	Corn Gluten Feed	29	465	Flour (Soy)	44	705
Chemco Burnishing Compound	35	561	Corn Gluten Meal	37	593	Flour (Soya)	40	641
Chicory	34	545	Corn Grits	42	673	Flour (Wheat)	42	673
Chicory (Powder)	30	481	Corn Mash	45	721	Fluorite	78	1250
Chilli Spice	45	721	Corn Meal	40	641	Fluorspar	112	1794
Chlorine Compound	28	449	Corn Oil Meal	34	545	Flux	145	2323
Chlorine Powder	36	577	Corn Starch	42	673	Fly Ash	65	1041
Chocolate Drink Mix	26	417	Corn, (Whole Shelled)	45	721	Fullers Earth	35	561
Chromic Acid Powder	100	1602	Corn, Chops (Coarse)	42	673	Fumaric Acid	40	641
Cinders, Blast Furnace	57	913	Corn, Chops (Fine)	38	609	Garlic (Flakes)	22	352
Cinders, Coal, Ashes & Clinker	40	641	Corn, Chops (Medium)	40	641	Garlic (Powder)	20	320
Cinnamon Powder	35	561	Corn, Cracked (Coarse)	40	641	Gelatine	45	721
Citric Acid	48	769	Corn, Ground	35	561	Glass (Ground)	103	1650
Clay	50	801	Corn, Hominy Feed	27	433	Glass (Powder)	103	1650
Clay (Bentonite)	50	801	Corn, Kibbled	21	336	Glass Beads	100	1602
Clay (Calcined)	30	481	Cottonseed Cake	42	673	Glass Microspheres	62	993
Clay (Fine)	62	993	Cottonseed Delinted	30	481	Gold Powder	53	849
Clay (Fines)	70	1121	Cottonseed Flour	56	897	Grain	36	577
Clay (Granite)	32	513	Cottonseed Hulls	12	192	Granite, Crushed	97	1554
Clay (Kaolin)	48	769	Cottonseed Meats	40	641	Graphite	48	769
Clinker Dust	90	1442	Cryolite	86	1378	Graphite (Flakes)	42	673
Clover Seed	48	769	Detergent (Flakes)	32	513	Graphite (Granules)	68	1089
Coagulant	36	577	Detergent (Powder)	38	609	Graphite (Powder)	35	561
Coal (Granules)	52	833	Dextrose	36	577	Graphite (Pulverized)	22	352
Coal (Pulverized)	38	561	Diammonium Phosphate	50	801	Gravel	110	1762
Coal Anthracite	58	929	Diatomaceous Earth	16	256	Grinding Compound	99	1586
Coal Bituminous	52	641	Diatomite	14	224	Ground Bone	50	801
Coal Dust	35	561	Dicalite	12	192	Gum Base	42	673
Coal Powder	40	641	Dielectric Compound	45	721	Gum Granules	36	577
Cobalt Carbonate	60	961	Distillers Grains	18	288	Gum Resin	32	513
Cobalt Fines	256	4101	Dolomite	54	865	Gypsum	54	865
Cocoa	35	561	Dolomite Lime	46	737	Gypsum (Calcined)	55	881
Cocoa Flavoring	55	881	Egg Yoke Powder	23	368	Gypsum (Ground)	42	673
Cocoa Shells	30	481	Eggs (Powdered)	22	352	Ice, Crushed	40	641
Coconut Chips	38	609	Electrolyte	60	961	Iron Chromite	114	1826
Coffee (Instant)	19	304	Epoxy Powder	49	785	Iron Fillings	180	2884
Coffee, Green (Beans)	38	609	Ferric Chloride	43	689	Iron Ore	162	2595
Coffee, Roasted (Beans)	23	368	Ferric Sulphate	61	977	Iron Oxide	80	1282
Coke (Granules)	52	833	Ferro Silicate	78	1250	Iron Oxide (Black)	161	2579
Coke Dust	15	240	Ferro Silicon	87	1394	Iron Oxide (Red)	69	1105
Coke Fines	39	625	Ferrous Carbonate	87	1394	Iron Powder	175	2804
Coke, Calcined (Course)	56	897	Fiberglass	22	352	Iron Sulphate	80	1282
Coke, Calcined (Fines)	59	945	Filter Cake (Centrifuge)	40	641	Kaolin	49	785
Coke, Calcined (Intermediate)	59	945	Fish meal	38	609	Kaolin Clay	50	801
Coke, Pulverized	45	721	Flaxseed	44	705	Latex Powder	89	1426

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Lead Arsenate	90	1442	Millet	40	641	Plaster Of Paris	49	785
Lead Carbonate	81	1298	Milo, Ground	34	545	Plastic (Beads)	46	737
Lead Chloride Crystals	72	1153	Molasses Feed	22	352	Plastic (Cubes)	38	609
Lead Oxide	63	1009	Molding Sand	75	1202	Plastic (Flakes)	48	769
Lead Stabilizer	43	689	Molybdenum Disulfide	44	705	Plastic (Pellets)	45	721
Ligno Sulfinat	30	481	Molybdenum Oxide	98	1570	Plastic Powder	42	673
Lignone	36	577	Molybdi Oxide	16	256	Plastic Resin	40	641
Lignosol	24	384	Monosodium Phosphate	55	881	Polyamide Resin	31	497
Lime	35	561	Naphthalene Flakes	36	577	Polycarbonate Resin	44	705
Lime (Dolomitic)	42	673	Natrosol	28	449	Polyester Adhesive Powder	30	481
Lime (Granular)	80	1282	Nickel	60	961	Polyester Flakes	27	433
Lime (Hydrated)	40	641	Nickel Oxide	28	449	Polyester Resin	34	545
Lime (Pebble)	45	721	Nickel Powder	75	1202	Polyethylene	43	689
Lime (Pulverized Quick)	60	961	Nuts (Almond)	29	465	Polyethylene Beads	42	673
Lime (Quick)	55	881	Nuts (Cashews)	31	497	Polyethylene Film		128
Limestone	60	961	Nuts (Peanuts)	33	529	Polyethylene Flakes		96
Limestone (Ground)	59	945	Nylon Fibers	10	160	Polyethylene, Granular	30	481
Limestone (Pulverized)	68	1089	Nylon Flakes	32	513	Polyethylene Pellets	35	561
Limestone Dust	69	1105	Nylon Pellets (1/8")	35	561	Polyethylene Powder	35	561
Limestone Filler	63	1009	Nylon Powder	39	625	Polyhedral Alcohol	37	593
Limestone Flour	69	1105	Oat Flour	33	529	Polymer	20	320
Linseed Meal	25	400	Oat Middlings	38	609	Polymer Reagent	39	625
Liquorice Powder	28	449	Oats	27	433	Polymer Resin	38	609
Magnesia	78	1250	Oats (Ground)	29	465	Polypropylene	30	481
Magnesite	27	433	Oats (Rolled)	22	352	Polypropylene Pellets	32	513
Magnesite Light	40	641	Oats Groats (Whole)	46.5	745	Polypropylene Powder	33	529
Magnesium Carbonate	12	192	Oats, Hulls		128	Polypropylene Flakes	22	352
Magnesium Chips	60	961	Onions (Chopped)	14	224	Polystyrene Beads	40	641
Magnesium Chloride	12	192	Onions (Minced)		128	Polystyrene Pellets	38	609
Magnesium Hydroxide	39	625	Onions (Powdered)	25	400	Polystyrene Powder	33	529
Magnesium Oxide	65	1041	Oxalic Acid	52	833	Polyurethane Pellets	45	721
Magnesium Silicate	58	929	Oxychloride	36	577	Polyvinyl Acetate	39	625
Magnesium Stearate	21	336	Oyster Shell (Ground, - 0.5")	53	849	Polyvinyl Alcohol	39	625
Magnesium Sulphate	52	833	Peanut Brittle	36	577	Polyvinyl Chloride	41	657
Magnetite	165	2643	Peanut Meal	28	449	Polyvinyl Chloride Pellets	39	625
Malted Barley Flour	40	641	Peanuts (Shelled)	43	689	Potassium Bromide (5% Moist)	114	1826
Malted Wheat Flour	41	657	Peanuts (Unshelled)	21	336	Potassium Carbonate (Potash)	74	1185
Manganese Dioxide	70	1121	Peat Moss	10	160	Potassium Chloride	60	961
Manganese Ore	110	1762	Peppermint Powder	34	545	Potassium Iodate	129	2067
Mannitol	38	609	Peppers (Chopped)	21	336	Potassium Muriate	66	1057
Marble (Granular)	80	1282	Peppers (Whole)	16	256	Potassium Sulphate	90	1442
Marble (Ground)	93	1490	Perlite	15	240	Potatoes (Flakes)	13	208
Meat Meal	37	593	Perlite Filter Aid		128	Potatoes (Powdered)	48	769
Melamine	45	721	Perlite Ore	65	1041	Potting Soil	16	256
Melamine Powder	32	513	Petroleum Coke	55	881	Poultry Meal	36	577
Metallic Flakes	35	561	Petroleum Coke Dust	25	400	Powdered Sugar	35	561
Metallic Powder	165	2643	Phenofil	30	481	Pumice Powder	39	625
Metasol	38	609	Phenol Formaldehyde	30	481	PVC Chips	54	865
Mica (Flakes)	10	160	Phenolic Powder	32	513	PVC Resin	32	513
Mica (Powder)	41	657	Phosphate	80	1282	Raisins (Moist)	38	609
Milk (Powdered Whole)	35	561	Phosphate Rock, Crushed	69	1105	Rapeseed	48.3	774
Milk (Powdered)	13	208	Phosphate Rock Dust	90	1442	Red Lead	165	2643
Milk (Whole)	32	513	Phosphate Rock, Ground	70	1121	Red Oxide Pigment	72	1153

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Rice	45	721		Sodium Bicarbonate	50	801		Thiamine	47	753
Rice (Puffed)		96		Sodium Bisulphate	90	1442		Thionex	30	481
Rice Bran	26	417		Sodium Borate	77	1234		Thorium Oxide	62	993
Rock Salt	68	1089		Sodium Caseinate	21	336		Titanium Dioxide	48	769
Rubber (Granules)	28	449		Sodium Chloride	80	1282		Tobacco (Cigarette)	12	192
Rubber Composition Powder	34	545		Sodium Chloride	83	1330		Tobacco (Powdered)	28	449
Rubber Compound	38	609		Sodium Hydrosulphate	70	1121		Tricalcium Phosphate	35	561
Rubber Crumb	22	352		Sodium Hydrosulphite	73	1169		Trichicrocyanuric Acid	50	801
Rubber Foam (Chopped)		48		Sodium Hydroxide	60	961		Tripolyphosphate	80	1282
Rubber Powder	33	529		Sodium Metasilicafe	70	1121		Trisodium Phosphate	50	801
Rye Bran	18	288		Sodium Naphtholine Sulph.	27	433		Tumaric (Acid Fines)	51	817
Rye Feed	33	529		Sodium Nitrate	84	1346		Tungsten Carbide	250	4005
Rye, Malted	32	513		Sodium Perborate	53	849		Uranium (Compound)	191	3060
Rye, Middlings	42	673		Sodium Pyrophosphate	63	1009		Uranium (Granules)	184	2948
Rye, Shorts	33	529		Sodium Silicate	32	513		Uranium Oxide	108	1730
Rye, Whole	44	705		Sodium Sulphate	85	1362		Urea	42	673
Salt, Fine Table	86	1378		Sodium Sulphite	102	1634		Urea Formaldehyde	36	577
Salt, Granulated	80	1282		Sodium Thiosulfate	55	881		Urea Powder	39	625
Sand	99	1586		Sodium Tripolyphosphate	60	961		Urea Prills	45	721
Sand (Dry)	110	1762		Soybean Flakes	36	577		Vermiculite	62	993
Sand (Fine)	125	2002		Soybean Hulls	25	400		Vinyl Acetate	36	577
Sand (Foundry)	100	1602		Soybean Meal	40	641		Vinyl Chips (Irregular)	20	320
Sand (Moist)	130	2083		Starch (Corn)	43	689		Vinyl Compound	36	577
Sand (Molding)	78	1250		Stearic Acid (Flakes)	32	513		Vinyl Powder	34	545
Sand Foundry, Coarse	96	1538		Stearic Acid (Powder)	36	577		Vinyl Resin	36	577
Sand Foundry, Fine	104	1666		Styrene Beads	45	721		Wax (Flakes)	50	801
Sawdust (Coarse)	25	400		Sucrose	53	849		Wax (Powder)	38	609
Sawdust (Fine)	18	288		Sucrose Octoacetate	33	529		Wheat (Hulls)	44	705
Sawdust (Moist)	28	449		Sugar (Beet)	50	801		Wheat (Shaved)	34	545
Seed (Grass)	40	641		Sugar (Dextrose)	39	625		Wheat Flour	30	481
Shellac Resin	81	1298		Sugar (Granulated)	44	705		Wheat Gluten	43	689
Silica Flour	80	1282		Sugar (Powdered)	35	561		Wheat Middlings	15	240
Silica Gel	42	673		Sulphur	45	721		Wheat, Cracked	35	561
Silica Sand	81	1298		Sulphur (Granular)	70	1121		Wheat, Whole	49	785
Silicon Carbide	45	721		Sunflower Seed	38	609		Whey	35	561
Silicon Dioxide		48		Talcum Powder	55	881		White Lead	85	1362
Silver (Powder)	69	1105		Tantalum Powder	40	641		Wood Chips	30	481
Slate (Crushed)	100	1602		Tea	27	433		Wood Flour	20	320
Soap Flakes	29	465		Tea (Flakes)	24	384		Wood Shavings	10	160
Soap Powder	36	577		Tea (Powdered)	27	433		Yeast	59	945
Soapstone	47	753		Teflon (Fiber)	30	481		Zinc Ammonium Chloride	66	1057
Soda Ash	54	865		Teflon (Granules)	36	577		Zinc Carbonate	35	561
Soda Ash-Iron Chromite	77	1234		Teflon (Powdered)	29	465		Zinc Oxide	55	881
Sodium Aluminate	61	977		Teflon Pellets	60	961		Zinc Powder	210	3364
Sodium Benzoate	47	753		Terephthalic Acid	30	481				

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