

Abrasive -- Atticote

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Abrasive	150	2.40		
Abrasive Compound	148	2.37		
Abrasive Mix	153	2.45		
Abrasive Wheel Mix	150	2.40		
AC Teat Dust	60	0.96		
Accelerator	31	0.50		
Acetate	35	0.56		
Acetate Flakes	21	0.34		
Acrawax "C"	32	0.51		
Acrawax	15	0.24		
Acrawax & Carbon Black	34	0.54		
Acrylic Fibers	9	0.14		
Acrylic Concentrate Pellets (1/8")	38	0.61		
Acrylic Pellets (1/8")	38	0.61		
Acrylic Resin	32	0.51		
Activated Aluminum	15	0.24		
Activated Carbon	20	0.32		
Adipic Acid	40	0.64		
Aero-Cil	8	0.13		
Alcanol	39	0.62		
Alfalfa Seed	45-48	0.72-0.77		
Alfalfa Meal, Dehydrated 13%	16-18	0.26-0.29		
Alfalfa Meal, Dehydrated 17%	18-22	0.29-0.35		
Alfalfa Meal, Suncured 13%	14	0.22		
Alfalfa Leaf Meal	14.5	0.23		
Alfalfa Stem Meal	12	0.19		
Alfalfa Pellets 13%	41-43	0.66-0.69		9
Alfalfa Pellets 17%	41-43	0.66-0.69		9
Alfalfa Meal, fine ground	15-22	0.24-0.35		45
Alodine No. 41	92	1.47		
Alodine 12005	79	1.27		
Alum	50	0.80		30-44
Alum/Pigment Mix	30	0.48		
Alumina	40	0.64	3.6-3.9	22
Alumina, Activated	48	0.77		
Alumina, Alcan	46	0.74		
Alumina, Calcined	63	1.01		
Alumina, Corhart	83	1.33		
Alumina, FAH-KDH	45	0.72		
Alumina, Hydrate	68	1.09		
Alumina, Kyanite	77	1.23	3.58	
Alumina & Lime Mix	65	1.04		
Alumina, Metal Grade	67	1.07		
Alumina Powder	18	0.29		
Alumina, Precipitator Dust	54	0.86		
Alumina, Reacted	65	1.04		
Alumina, Sandy	60	0.96	3.95	
Alumina, Tabular Dust	21	0.34		
Aluminum Benzoate	11	0.18		
Aluminum Chlorhydrate	55	0.88		

Aluminum Chloride	51	0.82		
Aluminum Dross	81	1.30		
Aluminum Etchant	55	0.88		
Aluminum Filament 200X	75	1.20		
Aluminum Flake	150	2.40		
Aluminum Fluoride	55	0.88		
Aluminum Magnesium Silicate	21	0.34		
Aluminum Oxide	80	1.28		
Aluminum Oxide, Calcined	33	0.53		
Aluminum Powder	44	0.70		
Aluminum Silicate	33	0.53		
Aluminum Silicate (Catalyst)	53	0.85		
Aluminum Sulfate	65	1.04		
Aluminum Sulphate, Ground	50	0.80		
Aluminum Trihydrate	45	0.72		
Aluminum Wire, Chopped	35	0.56		
Ammonium Bromide	76	1.22		
Ammonium Chloride	38	0.61		
Ammonium Nitrate	49	0.78		
Ammonium Nitrate Prills	38	0.61		
Ammonium Perchloride	62	0.99		
Ammonium Phosphate	55	0.88		
Ammonium Sulfate	69	1.11		
Amorphous Silica	11	0.18		
Anthracite, Powdered	35	0.56		
Antimony Oxide	44	0.70		
Antioxidant (Granules)	41	0.66		
Antioxidant (Powder)	28	0.45		
Apple Slices, Dried	15	0.24		
Aquafloc	10	0.16		
Aqua Nuchar	10	0.16		
Arasan	25	0.40		
Arizona Road Dust	54	0.86		
Arsenic Trioxide	41	0.66		30-44
Asbestos	22	0.35	2.4-2.5	30-44
Asbestos Fiber (Long)	16	0.26	2.4-2.5	
Asbestos Fiber (Short)	19	0.30	2.4-2.5	
Asbestos Fiber	20	0.32	2.4-2.5	
Asbestos Fiber 7R	15	0.24	2.4-2.5	
Asbestos Powder	28	0.45	2.4-2.5	
Asbestos Shorts	26	0.42	2.4-2.5	
Ascorbic Acid (Coarse)	45	0.72		
Ascorbic Acid (Fine)	32	0.51		
Ash, ground	105	1.68		32
Ashes, dry loose	38	0.61		32
Ashes, wet loose	47	0.75		
Atrazine (Herbicide)	30	0.48		
Attapulgate	40	0.64		
Attasorb	18	0.29		
Atticote	22	0.35		

Baking Powder -- Buttermilk (Dried)

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Baking Powder	56	0.90		
Barbasco Root	33	0.53		
Barites	120	1.92		
Barium Carbonate	55	0.88		45
Barium Oxide	63	1.01		
Barium Stearate	13	0.21		
Barium Sulphate	60	0.96		
Barley (Whole)	38-43	0.61-0.69		
Barley, Fine Ground	46	0.74		
Barley, Ground	24-26	0.38-0.42		
Barley, Malted	30.5	0.49		
Barley Meal	28	0.45		
Barley, Rolled	21-24	0.34-0.38		
Barley, Scoured	41	0.66		
Bauxite	45	0.72		31
Beans, (Soya)	46.3	0.74		
Beans, White	43-48	0.69-0.77		
Beet Pulp	16-20	0.26-0.32		
Bentonite	50	0.80		
Bentonite (Coarse)	60	0.96		
Bicarbonate of Soda	62	0.99		
Biscuit Pre-Mix	60	0.96		
Binder Starch	41	0.66		
Binder (T-Gel)	31	0.50		
Binder 812	41	0.66		
Bisphenol	37	0.59		
Bisphenol Flake	60	0.96		
Black Coloring	30	0.48		
Bleach Compound	60	0.96		
Blood Meal	38.5	0.62		
Blood Flour	30	0.48		
Blue Dye	40	0.64		
Blue Grass Seed	11	0.18		
Blue Powder, Metal	142	2.27		
Bone, Ground Dry	75	1.20		
Bone Meal, Loose	50-60	0.80-0.96		
Bone and Meat Meal, Loose	45	0.72		
Borax	60	0.96		
Borax (Granular)	60	0.96		
Borax (Puffed)	12	0.19		
Boric Acid	54	0.86		
Brake Lining Compound	30	0.48		
Bran	35	0.56		
Brass Powder	100	1.60		
Bread Chucks	10	0.16		
Bread Crumbs	6	0.10		
Brewers Grains, Dry	15.5	0.25		
Bromo Seltzer	38	0.61		
Bronze Powder	78	1.25		

Broom Corn Seed	41.8	0.67		
Brown Gravy Mix	38	0.61		
Buckwheat (whole)	37-41	0.59-0.66		
Buckwheat Bran	15.5	0.25		
Buckwheat Flour	41	0.66		
Buckwheat Hulls	13	0.21		
Buckwheat Middlings	22	0.35		
Buttermilk, Dried	31	0.50		

Cab-O-Sil -- Cupric Oxide

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Cab-O-Sil	2	0.03		
Cake Mix	44	0.70		
Calcium	30	0.48		
Calcium Borate	61	0.98		
Calcium Carbide, crushed	80	1.28		30-44
Calcium Carbonate	44	0.70		
Calcium Chloride	60	0.96		
Cal. Chloro Fluoro Phosphate	53	0.85		
Calcium Fluoride	102	1.63		
Calcium Hydroxide	40	0.64		
Calcium Phosphate	48	0.77		
Calcium Silicate	10	0.16		
Calcium Stearate	20	0.32		
Calcium Sulfate	45	0.72		
Cane Seed	41	0.66		
Car Rug Stock	46	0.74		
Carbofrax (C-4)	100	1.60		
Carbon, Activated	17	0.27		20-29
Carbon (Pelletized)	42	0.67		25
Carbon Black	35	0.56		30-44
Carbon Black Mix	77	1.23		
Carbon Black & Graphite	45	0.72		
Carbon Black (Beads)	19	0.30		
Carbon Black (Nuchar)	11	0.18		
Carbon Black (Pelletized)	22	0.35		25
Carbon Crystallized	58	0.93		
Carbon Granules	59	0.95		
Carbon Dust	38	0.61		
Carbon-Teflon Mix	32	0.51		
Carbon Flour	57	0.91		
Carbon Lampblack	8	0.13		
Carbon Masterbatch	41	0.66		
Casein	36	0.58		30-44
Casting Mix	150	2.40		
Catalyst, Bead	50	0.80		
Catalyst, Synthetic	39	0.62		
Catalyst, Zeolitic	45	0.72		
Caustic Potash, Bead	65	1.04		
Caustic Soda	31	0.50		29-43
Celaflock	11	0.18		
Celaton FP4	14	0.22		
Celcon Flake	23	0.37		
Celcon Pellets	50	0.80		
Celite	10	0.16		
Celite 535	10	0.16		
Cellflo	12	0.19		
Cellulose Acetate	10	0.16		
Cellulose Denvative	45	0.72		
Cellulose Floc	22	0.35		

Cellulose Gum	27	0.43		
Cement	85	1.36		
Cement Dust	50	0.80		
Cement (Portland)	94	1.51		
Cement (Portland) Clinker	95	1.52		
Cement (Root Canal)	67	1.07		
Cement (C-10 Sealing)	56	0.90		
Ceramic Compound	85	1.36		
Ceramitalc	54	0.86		
Cereal (Amerikor A-52)	12	0.19		
Cereal Mix	43	0.69		
Cerium Oxide	62	0.99		
Charcoal (Powder)	24	0.38		
Chemco Burnishing Compound	35	0.56		
Chickory	34	0.54		
Chickory (Powder)	30	0.48		
Chili Spice	45	0.72		
Chlorine Compound	28	0.45		
Chlorine (Powder)	36	0.58		
Chocolate Drink Mix	26	0.42		
Chopped TFE Cones	46	0.74		
Chopped Hose (Cheerios)	50	0.80		
Chromic Acid Powder	100	1.60		
Cinders, Blast Furnace	57	0.91		
Cinders, Coal, Ashes & Clinker	40	0.64		
Cinnamon Powder	35	0.56		
Citric Acid	48	0.77		
Citrus Pulp, Dry	20.5	0.33		
Clay	50	0.80		
Clay (Bentonite)	50	0.80		42
Clay (Calcined)	30	0.48		
Clay (Fine)	62	0.99		30-44
Clay (Fines)	70	1.12		30-44
Clay (Georgia)	65	1.04		
Clay (Granite)	32	0.51		
Clay (Helium)	36	0.58		
Clay (Kaolin)	48	0.77	2.6	
Clay P2	48	0.77		
Clay & Petro Ag	55	0.88		
Clay product	33	0.53		
Clay (Pure)	60	0.96		
Clay (Super White)	30	0.48		
Clay (Talc)	52	0.83		
Clay-Talc-Flint	62	0.99		
Clearon Powder	40	0.64		
Clinker Dust	94	1.51		30-40
Clover Seed	48	0.77		28
CMC Powder	52	0.83		
Coagulant	36	0.58		
Coal Anthracity	55-60	0.88-0.96		27
Coal (Granules)	52	0.83		27-35
Coal (Pulverized)	38	0.61		
Coal Bituminous	52	0.83		35
Coal Dust	35	0.56		

Coal Powder	40	0.64		
Coal (Powder MRD)	41	0.66		
Coal (Powdered SRC)	39	0.62		
Coaltrol M	42	0.67		
Cobalt Carbonate	60	0.96		
Cobalt Fines	256	4.10		
Cobalt Oxide, 10% Moisture	114	1.83		
Cobalt Sulfate	48	0.77		
Cocoa	35	0.56		
Cocoa Flavoring	55	0.88		
Cocoa Shells	30	0.48		
Coconut Chips	38	0.61		
Coffee, Green (Beans)	37-39	0.59-0.62		
Coffee, Roasted (Beans)	22-24	0.35-0.38		
Coffee (Flavoring)	28	0.45		
Coffee (Instant)	19	0.30		
Coke, Average Lump	28-32	0.45-0.51		
Coke, Breeze	30-34	0.48-0.54		
Coke (Granules)	52	0.83		
Coke, Petroleum Lump	40-50	0.64-0.80		
Coke, Calcined (Fines)	59	0.95		
Coke, Calcined (Coarse)	56	0.90		
Coke, Calcined (Intermediate)	59	0.95		
Coke Dust	15	0.24		
Coke Fines	39	0.62		
Coke, Petroleum CRS 393	48	0.77		
Coke, Pulverized	45	0.72		
Colemanite	57	0.91		
Colloidal Lime	49	0.78		
Collupulin	19	0.30		
Cookie Meal	38	0.61		
Copolymer Beads	41	0.66		
Copolymer Flake	23	0.37		
Copper (Fines)	101	1.62	8.9	
Copper, Flotation	35	0.56		
Copper Hydroxide	25	0.40		
Copper Pellets (1/32")	240	3.84	8.9	
Copper Sulfate	52	0.83		
Copper Phosphorous Pellets	265	4.24		
Copra Meal, Loose	27	0.43		
Cork, Solid	15	0.24		
Cork, In Bales	8-9	0.13-0.14		
Cork, Ground	4-5	0.06-0.08		
Corn, (Whole Shelled)	45	0.72		
Corn Bran	13	0.21		
Corn, Cracked (Coarse)	40	0.64		
Corn, Chops (Fine)	36-39	0.58-0.62		
Corn, Chops (Medium)	38-42	0.61-0.67		
Corn, Chops (Coarse)	40-44	0.64-0.70		
Corn, Cobs	17	0.27		
Corn Distillers Dried Grains	18.5	0.30		
Corn Distillers Dried Solubles	25.5	0.41		
Corn, Ear	56	0.90		
Corn Flour	51	0.82		

Corn Germ Meal	35	0.56		
Corn Gluten Feed	26-33	0.40-0.53		
Corn Gluten Meal	32-43	0.51-0.69		
Corn Grits	40-43	0.64-0.69		
Corn, Ground	34-36	0.54-0.58		
Corn, Hominy Feed	25-28	0.40-0.45		
Corn, Kibbled	20-22	0.32-0.35		
Corn Mash	45	0.72		
Corn Meal	40	0.64		
Corn Oil Meal	33-36	0.53-0.58		
Corn Starch	42	0.67		
Corn Sugar	20.5	0.33		
Cottonseed w/Lint	18-25	0.29-0.40		
Cottonseed Cake	40-45	0.64-0.72		30-44
Cottonseed Delinted	25-35	0.40-0.56		29
Cottonseed Flour	56	0.90		
Cottonseed Hulls	12	0.19		45
Cottonseed Meats	40	0.64		30-44
Cow Peas	45	0.72		
Cryolite	86	1.38	3.0	30-44
Crystal Flo	67	1.07		
Cullet, Glass Average	85-100	1.36-1.60		30-44
Cullet, Glass .75" x 0'	80-90	1.28-1.44		30-44
Cupric Oxide	110	1.76		

Dacron Flakes -- Dye (Food)

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft ³)	(g/cc)	(g/cc)	(degrees)
Dacron Flakes	32	0.51		
Dairy Flavoring	38	0.61		
Delsan	27	0.43		
Detergent (Flake)	32	0.51		
Detergent (Powder)	38	0.61		
Davis 888 Black	38	0.61		
Deflourinated Phosphate	97	1.55		
Dental Plaster	42	0.67		
Dextrose	36	0.58		
Diammonium Phosphate	50	0.80		
Diatomaceous Earth	16	0.26		
Diatomaceous Earth (Calcined)	10	0.16		30-44
Diatomaceous Earth (Celite)	15	0.24		
Diatomaceous Earth (Dicalite)	11	0.18		
Diatomaceous Earth (Fibra-Flo)	15	0.24		
Diatomaceous Earth (Filtrol)	14	0.22		
Diatomaceous Earth (Microcel)	9-12	0.14-0.19		
Diatomaceous Earth (Perlite)	5	0.08		
Diatomaceous Earth (Supercel)	10	0.16		
Diatomaceous Earth Product	14	0.22		
Diatomite	14	0.22		
Dicalite	12	0.19		
Dielectric Compound	45	0.72		
Distillers Grains	18	0.29		
Dog Food Blend	54	0.86		
Dog Food Mixture	36	0.58		
Dolomite	54	0.86		
Dolomite Lime	46	0.74		
Donut Mix	40	0.64		
Dough Mix	37	0.59		
Drug Additive	56	0.90		
Dry Mix	41	0.66		
Duramite (Calcium Carb.)	58	0.93		
Dye (Fabric)	25	0.40		
Dye (Food)	40	0.64		

Earth, Common Loam (Dried) -- Extrude Regrind

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft ³)	(g/cc)	(g/cc)	(degrees)
Earth, Common Loam (Dried)	73	1.17		
Earth, Common Loam (Moist)	76	1.22		
Eggs (Powdered)	22	0.35		
Egg Yoke Powder	23	0.37		
Electrolyte	60	0.96		
Epoxy Molding, Preblend	50	0.80		
Epoxy Powder	49	0.78		
Explosive Compound	36	0.58		
Extrude Regrind	39	0.62		

Fab -- Fungicide

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Fab	20	0.32		
Fanna	45	0.72		
Feldspar	62	0.99		
Fermate	15	0.24		
Ferric Chloride	43	0.69		
Ferric Sulfate	61	0.98		
Ferro Silicate	78	1.25		
Ferro Silicon	87	1.39		
Ferrous Carbonate	85-90	1.36-1.44		
Fertilizer	37	0.59		
Fiberglass	22	0.35		
Fiberglass (1/8" Chop)	20	0.32		
Fiberglass (1/4" Chop)	18	0.29		
Fiberglass (1/2" Chop)	17	0.27		
Fiberglass Pellet Blend	22	0.35		
Fiberglass Powder Blend	30	0.48		
Filter Cake (Centifuge)	40	0.64		
Filter-Cel	9	0.14		
Filtrol	30	0.48		
Filtrol Clay Grade 105	50	0.80		
Fine Powder	127	2.03		
Fire Soot	64	1.03		
Fireclay	72	1.15		
Firemate	24	0.38		
Fish Meal	30-47	0.48-0.75		
Flame Retardant	38	0.61		
Flaxseed	43.5	0.70		21
Flint	97	1.55		
Floc	13	0.21		
Floc (Solka)	9	0.14		
Flour	48	0.77		
Flour (Barley)	38	0.61		
Flour (Barley Malt)	45	0.72		
Flour (Corn)	39	0.62		
Flour (Rye)	42	0.67		
Flour (Soy)	44	0.70		
Flour (Soya)	40	0.64		
Flour (Wheat)	42	0.67		45
Flue Dust	54	0.86		20
Fluorspar	100-125	1.60-2.00		45
Fluorelent Powder	35	0.56		
Fluorescent Powder	68	1.09		
Fluorescent Powder (Moist)	84	1.35		
Fluoride Compound	42	0.67		
Fluorite	78	1.25		
Flux	145	2.32		
Flux Fines	100	1.60		
Fly Ash	65	1.04		
Foods Coloring	39	0.62		

Foundry Additive Mixture	80	1.28		
Foundry premix	40	0.64		
Frodex 24	38	0.61		
Frosting Mix	38	0.61		
Fuel Additives	30	0.48		
Fuel Treatment	40	0.64		
Fullers Earth	35	0.56		23
Fullers Earth Rods	43	0.69		
Fumaric Acid	40	0.64		
Fungicide	26	0.42		

Garlic (Flakes) -- Gypsum Stucco

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Garlic (Flakes)	22	0.35		
Garlic (Powder)	20	0.32		
Gelatin	45	0.72		
Geon Resin	22	0.35		
Gilsonite Fines	49	0.78		
Glass (Frit)	144	2.31		
Glass (Ground)	103	1.65		
Glass (Powder)	103	1.65		
Glass Batch Material	90-110	1.44-1.76		
Glass Batch Mix	87	1.39		
Glass Beads	100	1.60		
Glass Microspheres	62	0.99		
Glitter Flakes	32	0.51		
Glycerine Green Catalyst	42	0.67		
Glue	53	0.85		
Gold Powder	53	0.85		
Goulac	30	0.48		
Graham Cracker Crust	15	0.24		
Grain	36	0.58		
Granite, Crushed	97	1.55		
Granodine 663	68	1.09		
Granular Material	48	0.77		
Granulated Polyurethane	22	0.35		
Graphite	48	0.77		
Graphite (Flakes)	42	0.67		
Graphite (Granules)	68	1.09		
Graphite (Powder)	35	0.56		
Graphite (Pulverized)	22	0.35		
Graphite (Scrap)	59	0.95		
Glass Fiber	8	0.13		
Gravel	110	1.76		30-44
Green Powder	57	0.91		
Grinding Compound	99	1.59		
Ground Bone	50	0.80		
Grout	70	1.12		
Gum Base	42	0.67		
Gum Granules	36	0.58		
Gum Resin	32	0.51		
Gypsum	54	0.86		30
Gypsum (Calcined)	55	0.88		
Gypsum (Ground)	42	0.67		
Gypsum Stucco	50	0.80		

Halon -- Hyvar X (Herbicide)

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft ³)	(g/cc)	(g/cc)	(degrees)
Halon	22	0.35		
Hampseed	35.3	0.56		
Hash Spice	66	1.06		
Hell Blue Dye	19	0.30		
Hexahicel	32	0.51		
Hexa-Melamine	33	0.53		
Hexamine	42	0.67		
Hexa-Silene	30	0.48		
Hisil	11	0.18		
Hydraflake	36	0.58		
Hydrocarbon Compound	36	0.58		
Hydrocide	90	1.44		
Hyvar X (Herbicide)	25	0.40		

Bulk Density and Specific Gravity Chart: I

Ice, Crushed -- Isophthalic Acid

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft ³)	(g/cc)	(g/cc)	(degrees)
Ice, Crushed	35-45	0.56-0.72		19
Ilmenite	35	0.56		30-44
Inhibitor Compound	44	0.70		
Insecticide	30	0.48		
Iodized Mixture	18	0.29		
Ional	49	0.78		
Irganox	17	0.27		
Iron Chromite	114	1.83		
Iron Filings	180	2.88		
Iron Ore	162	2.59		
Iron Oxide	80	1.28		
Iron Oxide (Black)	161	2.58		30-44
Iron Oxide (Red)	69	1.11		
Iron Powder	175	2.80		
Iron Sulfate	80	1.28		
Isophthalic Acid	46	0.74		

Kafir and Milo (Grain Sorghum) -- Kralex Powder

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft ³)	(g/cc)	(g/cc)	(degrees)
Kafir and Milo (Grain Sorghum)	40-46	0.64-.074		
Kaolin	49	0.78		
Kaolin Clay	50	0.80		
Karaya Gum	45	0.72		
Ken-L-Biskit	30	0.48		
Ken-L-Meal	33	0.53		
Kiln Feed Mix	73	1.17		
Kix Mixture	48	0.77		
Kohinor	49	0.78		
Kralex Powder	42	0.67		

Lamisay Flour -- Litharge

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Lamisay Flour	34	0.54		
Lampblack	44	0.70		
Latex Powder	89	1.43		
Latikia	35	0.56		
Lead Arsenate	90	1.44		
Lead Carbonate	81	1.30		
Lead Chloride Crystals	72	1.15		
Lead Oxide	63	1.01		
Lead Stabilizer	43	0.69		
Licorice Powder	28	0.45		
Ligno Sulfinat	30	0.48		
Lignone	36	0.58		
Lignosol	24	0.38		
Lime	35	0.56		
Lime (Colloidal)	42	0.67		
Lime (Dolomitic)	42	0.67		
Lime (Granular)	80	1.28		
Lime (Hydrated)	40	0.64		40
Lime (Quick)	55	0.88		
Lime (Pebble)	45	0.72		30
Lime (Pulverized Quick)	60	0.96		42
Lime, Rock Dust	82	1.31		
Limestone	60	0.96		
Limestone (Ground)	59	0.95		
Limestone (Pulverized)	68	1.09		30-44
Limestone Dust	69	1.11		
Limestone Filler	63	1.01		
Limestone Flour	69	1.11		
Linseed Meal	23-28	0.37-0.45		34
Litharge	182	2.92		

Magnesia -- Myverol

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Magnesia	78	1.25		
Magnesite	27	0.43		
Magnesite Light	40	0.64		
Magnesium Carbonate	12	0.19		
Magnesium Chloride	12	0.19		40
Magnesium Chips	60	0.96		
Magnesium Oxide	65	1.04		
Magnesium Silicate	58	0.93		
Magnesium Stearate	21	0.34		
Magnesium Sulfate	52	0.83		30-44
Magnesium Hydroxide	39	0.62		
Magnetite	165	2.64		
Malt Powder	41	0.66		30-44
Malt Sprouts	13-16	0.21-0.26		
Malted Barley Flour	40	0.64		
Malted Wheat Flour	41	0.66		
Maltrin Maltodextrin	48	0.77		
Manganese Dioxide	70	1.12		
Manganese Ore	110	1.76		39
Mannitol	38	0.61		
Manzate	35	0.56		
Marasperse	25	0.40		
Marble (Granular)	80	1.28		
Marble (Ground)	93	1.49		
Meat Meal	37	0.59		
Meat Tenderizer	35	0.56		
Melamine	45	0.72		
Melamine Powder	32	0.51		
Metallic Flakes	35	0.56		
Metallic Powder	165	2.64		
Metasol	38	0.61		
Metallic Baghouse Dust	70	1.12		
Methocel	26	0.42		
Mica (Flakes)	10	0.16		
Mica (Powder)	41	0.66		
Mica Soapstone	47	0.75		
Microcel	28	0.45		
Milk (Non-Fat Dry)	35	0.56		
Milk (Powdered)	13	0.21		
Milk (Powdered Whole)	35	0.56		
Milk (Whole)	32	0.51		
Milltown	35	0.56		
Millet	40	0.64		
Milo, Ground	32-36	0.51-0.58		
Mineral Oxide	35	0.56		
Mineral Core Dust	15	0.24		
Mira-Flo	10	0.16		
Molasses Feed	20-25	0.32-0.40		
Mold Inhibitor	40	0.64		

Molding Compound	42	0.67		
Molding Powder	42	0.67		
Molding Sand	75	1.20		
Monosodium Phosphate	55	0.88		30-44
Molybdenum Disulfide	44	0.70		
Molybdenum Oxide	98	1.57		
Molybdic Oxide	16	0.26		
Mushroom Particles (Dry)	51	0.82		
Mustard Compound	21	0.34		
Mustard Powdered	16	0.26		
Mustard Spice A	50	0.80		
Mustard Spice B	45	0.72		
Multiclone Dust	75	1.20		
Myverol	40	0.64		

Naphthalene Flakes -- Nylon Powder

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Naphthalene Flakes	36	0.58		
Natrosol	28	0.45		
Neutral Granules	24	0.38		
News Print & Sawdust	2	0.03		
Nickel	60	0.96		
Nickel Ore Dust	60	0.96		
Nickel Oxide	28	0.45		
Nickel Powder	75	1.20		
Nitrate of Soda	85	1.36		
Nitro-Carbo-Nitrate	66	1.06		
Nodule Dust, Coke	53	0.85		
Nopco Feed Supplement	40	0.64		
NVX	26	0.42		
Nuchar	12	0.19		
Nuts (Almonds)	29	0.46		
Nuts (Cashews)	31	0.50		
Nuts (Peanuts)	33	0.53		
Nylon Fibers	10	0.16		
Nylon Flakes	32	0.51		
Nylon pellets (1/8")	35	0.56		
Nylon Powder	39	0.62		

Oats -- Oyster Shell, (Ground)

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft ³)	(g/cc)	(g/cc)	(degrees)
Oats	27	0.43		21
Oat Flour	33	0.53		
Oats (Ground)	29	0.46		
Oats Groats (Whole)	46.5	0.74		
Oats, Hulls	8	0.13		
Oat Middlings	38	0.61		
Oats (Rolled)	19-24	0.30-0.38		30-44
Onions (Chopped)	14	0.22		
Onions (Minced)	8	0.13		
Onions (Powdered)	25	0.40		
Opalon PVC	30	0.48		
Opalon Pellets (1/4")	33	0.53		
Opti White Pigment	47	0.75		
Orzan	29	0.46		
Orlon, Polymer, Powder	30	0.48		
Oxpyridmidine	23	0.37		
Oxalic Acid	52	0.83		
Oxychloride	36	0.58		
Oyster Shell, (Ground, -0.5")	53	0.85		

Paint Float 600 -- Pynte Cinders

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Paint Float 600	40	0.64		
Paper Dust	5	0.08		
Paper Sequins	15	0.24		
Paraformaldehyde	40	0.64		
Parsley Flakes	3	0.05		
Parzate	19	0.30		
Paste Resin	31	0.50		
Peanut Brittle	36	0.58		
Peanut Meal	28	0.45		
Peanuts (Unshelled)	17-24	0.27-0.38		
Peanuts (Shelled)	43	0.69		
Peat Moss	10	0.16		
Penford Gum Starch	38	0.61		
Penicillin Compound	22	0.35		
Pentaerythritol	44	0.70		
Pentarythritol	50	0.80		
Peppermint	32	0.51		
Peppermint Powder	34	0.54		
Peppers (Chopped)	21	0.34		
Peppers (Whole)	16	0.26		
Perlite	15	0.24		
Perlite Filter Aid	8	0.13		
Perlite Ore	65	1.04		
Petro-Ag (Granular)	43	0.69		
Petro-Ag (Powder)	40	0.64		
Petroleum Coke	55	0.88		
Petroleum Coke Dust	25	0.40		
Pharmaceutical Mix	31	0.50		
Pharmaceutical Lubricant	9	0.14		
Phenobac	30	0.48		
Phenofil	30	0.48		
Phenol Formaldehyde	30	0.48		
Phenolic Powder	32	0.51		
Phosphate	80	1.28		
Phosphate Rock Crushed	69	1.11		25-29
Phosphate Rock Dust	90	1.44		
Phosphate Rock Ground	70	1.12		40
Phosphate Tri-Calcium	68	1.09		
Phosphate Rock Powder	90	1.44		
Phosphorous Penta Sulfide	75	1.20		
Phosphorous Pentoxide	40	0.64		
Phthalic Anhydride	52	0.83		

Pie Crust Mix	35	0.56		
Pigment	9	0.14		
Pitch	37	0.59		
Plaster of Paris	49	0.78		
Plastic (Beads)	46	0.74		
Plastic (Chopped ?)	38	0.61		
Plastic (Cubes)	38	0.61		
Plastic (Flakes) Large	19	0.30		
Plastic (Flakes) Small	34	0.54		
Plastic (Flakes)	48	0.77		
Plastic (Flakes) 3/8"	48	0.77		
Plastic (Pellets)	45	0.72		
Plastic material Coloring	35	0.56		
Plastic Spheres (1/16")	43	0.69		
Plastic Powder	42	0.67		
Plastic Powder (A)	41	0.66		
Plastic Powder (B)	26	0.42		
Plastic Resin	40	0.64		
Plastic Scrap 7/8" Flakes	40	0.64		
Polycarbonate Resin	44	0.70		
Polyester Adhesive Powder	30	0.48		
Polyester Cubes	47	0.75		
Polyester Film Fragments	6	0.10		
Polyester Flakes	27	0.43		
Polyester Resin	34	0.54		
Polyethylene	43	0.69		
Polyethylene Beads	42	0.67		
Polyethylene Film	8	0.13		
Polyethylene Flakes	6	0.10		
Polyethylene Granular	30	0.48		
Polyethylene Pellets (1/8")	36	0.58		23
Polyethylene Pellets	35	0.56		23
Polyethylene Powder	35	0.56		
Polyhedral Alcohol	37	0.59		
Polymer	20	0.32		
Polymer Reagent	39	0.62		
Polymer Resin	38	0.61		
Polyimide Resin	31	0.50		
Polyolefin Pellets (3/32")	21	0.34		
Polypropylene	30	0.48		
Polypropylene Flakes	22	0.35		
Polypropylene Pellets (1/8")	32	0.51		
Polypropylene Powder	33	0.53		
Polystyrene Beads (1/16")	40	0.64		
Polystyrene Pellets	40	0.64		
Polystyrene Pellets (1/8")	38	0.61		
Polystyrene Powder	33	0.53		

Polystyrene Scrap	31	0.50		
Polyurethane Pellets (1/8")	45	0.72		
Polyvinyl Acetate	39	0.62		
Polyvinyl Alcohol	39	0.62		
Polyvinyl Chloride	41	0.66		
Polyvinyl Chloride (Pellets 1/8")	39	0.62		
Polyvinyl Chloride (Regrind)	18	0.29		
Pork Spice	72	1.15		
Potassium Bromide (5% Moist.)	114	1.83		
Potassium Carbonate (Potash)	74	1.19		
Potassium Chloride	60	0.96		
Potassium Iodate	129	2.07		
Potassium Muriate	68	1.09		
Potassium Sulfate	90	1.44		
Potatoes (Flakes)	13	0.21		
Potatoes (Powdered)	48	0.77		
Potting Soil	16	0.26		
Poultry Meal	34-39	0.54-0.62		
Powdered Sugar	35	0.56		
Pre-Mix	35	0.56		
Precipitator Dust	46	0.74		
Propellant (Solid Dry)	48	0.77		
Protein Supplement	34	0.54		
Prussian Blue	36	0.58		
Protein Blend	44	0.70		
Pumice Powder	39	0.62		
Purezaust Pellets	50	0.80		
PVC Chips	54	0.86		
PVC Resin	32	0.51		
Pynte Cinders	124	1.99		

Q-Cel -- Quartz

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Q-Cel	12	0.19		
Quartz, 0.5" Screenings	80-90	1.28-1.44	2.6	20-29
Quartz, 1.5 - 3" Lumps	85-95	1.36-1.52	2.6	30-44

Rag (Chopped) -- Rye (Whole)

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft ³)	(g/cc)	(g/cc)	(degrees)
Rag (Chopped)	8	0.13		
Raisins (Moist)	38	0.61		
Rapeseed	48.3	0.77		
Records (Ground Plastics)	41	0.66		
Red Color Concentrate	32	0.51		
Red Lead	165	2.64		
Red Oxide Pigment	72	1.15		
Refractory Mix	96	1.54		
Resin, Synthetic H.D.	34	0.54		
Resin-Luron	40	0.64		
Resimene	35	0.56		
Resin Binder	35	0.56		
Resinous Polymer	22	0.35		
Rice & Vitamin Mix	48	0.77		
Rice, Cream & W/Vitamins	48	0.77		
Rice	45	0.72		30-44
Rice Bran	26	0.42		
Rice (Puffed)	6	0.10		
Rock Salt	68	1.09		
Roloids (Mix Powder)	65	1.04		
Rouge Compound	58	0.93		
Rubber Composition Powder	34	0.54		
Rubber Compound	38	0.61		
Rubber Crumb	22	0.35		
Rubber Foam (Chopped)	3	0.05		
Rubber (Granules)	28	0.45		
Rubber Pellets (Irregular)	29	0.46		35
Rubber Powder	33	0.53		
Rutile & Coke	91	1.46		
Rye Bran	15-20	0.24-0.32		
Rye Feed	33	0.53		
Rye, Malted	32	0.51		
Rye, Middlings	42	0.67		
Rye Shorts	33.5	0.54		
Rye, Whole	43-45	0.69-0.72		

Sage Leaves -- Super Phosphate

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Sage Leaves	18	0.29		
Salt, Fine Table	86	1.38		
Salt, Clay	38	0.61		
Salt, Granulated	80	1.28		
Salt (Flake)	42	0.67		
Salt (Flour)	64	1.03		
Salt and Myverol	54	0.86		
Sand	99	1.59		
Sand (Dry)	110	1.76		
Sand (Fine)	125	2.00		
Sand (Moist)	130	2.08		
Sand (Molding)	78	1.25		
Sand, Foundry	100	1.60		
Sand, Foundry, Coarse	96	1.54		
Sand, Foundry, Fine	104	1.67		
Sand, Foundry, NJ Silica	97	1.55	2.6	
Sand-Kaolin Mix	53	0.85		
Santonox	25	0.40		
Saran Powder	35	0.56		
Sawdust (Coarse)	25	0.40		
Sawdust (Fine)	18	0.29		
Sawdust (Moist)	28	0.45		
Seal Coal	32	0.51		
Seasoning Blend	30	0.48		
Seed (Grass)	44	0.70		
Selenium Powder	62	0.99		
Separan Fine	48	0.77		
Shellac Resin	81	1.30		
Silene	15	0.24		
Silene & Zinc Stearate	15	0.24		
Silflo, Filter Aid	10	0.16		
Silica Cubes	45	0.72		
Silica Flour	80	1.28		
Silica Gel	42	0.67		30-44
Silica Gel, Sorbead	55	0.88		
Silica Sand	81	1.30	2.6	
Silicon Carbide	45	0.72		
Silicon Dioxide	3	0.05		
Silver (Powder)	69	1.11		
Slate, Crushed	100	1.60		28
SMA	35	0.56		
SMA Pellets	42	0.67		

Soap Flakes	29	0.46		
Soap Powder	36	0.58		
Soapstone	47	0.75		
Soda Ash	54	0.86		32-37
Soda Ash-Iron Chromite	77	1.23		
Sodium Bicarbonate	50	0.80		
Sodium Aluminate	61	0.98		30-44
Sodium Borate	77	1.23		
Sodium Chloride	83	1.33		
Sodium Hydrosulfate	70	1.12		
Sodium Hydroxide	60	0.96		
Sodium Hydrosulphate	73	1.17		
Sodium Hydrosulphite	73	1.17		
Sodium Benzoate	47	0.75		
Sodium Bisulphate	90	1.44		
Sodium Caseinate	21	0.34		
Sodium Chloride	80	1.28		
Sodium Metasilicate	70	1.12		
Sodium Naphtholine Sulph.	27	0.43		
Sodium Nitrate	84	1.35		24
Sodium Perborate	53	0.85		
Sodium Phosphate VNX	80	1.28		37
Sodium Phospho Aluminate	68	1.09		
Sodium Pyrophosphate	63	1.01		
Sodium Silicate	32	0.51		
Sodium Sulfate	85	1.36		
Sodium Sulfite	102	1.63		45
Sodium Thiosulfate	55	0.88		
Sodium Tripolyphosphate	60	0.96		
Somagen Sol	19	0.30		
Sorghum Seed	32-35	0.51-0.56		
Soybean Flakes	36	0.58		
Soybean Hulls	25	0.40		
Soybean Meal	40	0.64		
Spice (Barbecue)	30	0.48		
Spice Blend	36	0.58		
Sponge Iron	150	2.40		
Stabilizer	71	1.14		
Stabilizer (Food)	54	0.86		
Stabilizer (Plastic)	67	1.07		
Starch (Corn)	43	0.69		
Starch (Granular)	46	0.74		
Starch (Powder)	40	0.64		
Starch-Industrial Binder	43	0.69		
Starch-Mile	39	0.62		
Sta-Nut	53	0.85		
Stearic Acid (Flakes)	32	0.51		

Stearic Acid (Powder)	36	0.58		
Stearate Blend	41	0.66		
Steel Powder	150	2.40		
Steel Grit	225	3.60		
Stone-Dust	90	1.44		
Styrene Beads	45	0.72		
Sucrose	53	0.85		
Sucrose Octoacetate	33	0.53		
Sugar (Dextrose)	39	0.62		
Sugar (Granulated)	44	0.70		30-44
Sugar (Powdered)	35	0.56		
Sugar (Beet)	50	0.80		
Sugar Ind.	46	0.74		
Sulphur	45	0.72		
Sulphur (Granular)	70	1.12		
Sunflower Seed	38.5	0.62		20
Super Phosphate	70	1.12		

Talc -- Tumaric (Acid Fines)

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft ³)	(g/cc)	(g/cc)	(degrees)
Talc	35	0.56		
Talcum Powder	55	0.88		
Tantalum Powder	40	0.64		
Tea	27	0.43		
Tea (Flakes)	24	0.38		
Tea (Powdered)	27	0.43		
Teflon (Powdered)	29	0.46		
Teflon (Fiber)	30	0.48		
Teflon (Granules)	36	0.58		
Teflon Pellets (1/8")	60	0.96		
Terephthalic Acid	30	0.48		
Thiamine	47	0.75		
Thionex	30	0.48		
Thorium Oxide	62	0.99		
Tide	40	0.64		
Titanium Dioxide	48	0.77		30-44
Titanium Sponge	60	0.96		45
Tobacco (Powdered)	28	0.45		
Tobacco (Cigarette)	12	0.19		
Tobacco (Leaves)	6	0.10		
Trap Rock	91	1.46		
Tricalcium Phosphate	35	0.56		
Trichlorocyanuric Acid	50	0.80		
Tripolyphosphate	80	1.28		
Trisodium Phosphate	50	0.80		
Triplact	12	0.19		
Tungsten Carbide	250	4.00		
Tumaric (Acid Fines)	51	0.82		

Uranium (Granules) -- Urethane Foam

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Uranium (Granules)	184	2.95		
Uranium (Compound)	191	3.06		
Uranium Oxide	108	1.73		
Urea	42	0.67		
Urea Formaldehyde	36	0.58		
Urea Prills	45	0.72		
Urea Molding Powder	45	0.72		
Urea Powder	39	0.62		
Urethane Foam	18	0.29		

Vanadium Catalyst -- Viton Rubber Crumb

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Vanadium Catalyst	40	0.64		
Vegetable Oil Powder	34	0.54		
Vermiculite	62	0.99		
Vicrum	35	0.56		
Vicron	34	0.54		
Vicron (Limestone)	62	0.99		
Vinyl Acetate	36	0.58		
Vinyl Blend	40	0.64		
Vinyl Compound	36	0.58		
Vinyl Chips (Irregular)	20	0.32		
Vinyl Pellets (1/8")	36	0.58		
Vinyl Powder	34	0.54		
Vinyl Resin	36	0.58		
Vinyl Copolymer Resin	40	0.64		
Vitamin Additive	41	0.66		
Vitamin Enrichment	40	0.64		
Vitamin Compound	42	0.67		
Vitamin Mix	44	0.70		
Vitamin Powder	35	0.56		
Viton Rubber Crumb	33	0.53		

Waffle Mix -- Wood Shavings

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft ³)	(g/cc)	(g/cc)	(degrees)
Waffle Mix	42	0.67		
Water Softener Compound	39	0.62		
Wax	27	0.43		
Wax (Flake)	50	0.80		
Wax (Powder)	38	0.61		
Wheat Bran	11-16	0.18-0.26		
Wheat, Cracked	35	0.56		30-44
Wheat (Cut)	46	0.74		
Wheat Hulls	44	0.70		
Wheat Flour	30	0.48		
Wheat Gluten	43	0.69		
Wheat Middlings	15	0.24		
Wheat (Shaved)	34	0.54		
Wheat, Whole	45-52	0.72-0.83		28
Whey	35	0.56		
White Lead	72-100	1.15-1.60		30-44
White Powder	40	0.64		
Wood Chips (2"x2"x3")	30	0.48		
Wood Flour	20	0.32		
Wood Cellulose	18	0.29		
Wood Chips	18	0.29		45
Wood Shavings	10	0.16		

Yeast

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Yeast	59	0.95		

Zinc Ammonium Chloride -- Zirconite

Material	Bulk Density		Specific Gravity	Angle of Repose
	(lb/ft3)	(g/cc)	(g/cc)	(degrees)
Zinc Ammonium Chloride	66	1.06		
Zinc Carbonate	35	0.56		
Zinc Dust	200	3.20		
Zinc Hydrosulfite	44	0.70		
Zinc Oxide	55	0.88		45-55
Zinc Powder	210	3.36		
Zinc Skims	65	1.04		
Zinc Stearate	14	0.22		
Zinc Sulphate	83	1.33		
Zirconite	89	1.43		