

| Paper | | | |
|--|---------------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| Books, hardback, loose | 1 cubic yard | 529.29 | Tellus |
| Books, paperback, loose | 1 cubic yard | 427.5 | Tellus |
| Egg flats | one dozen | 0.12 | U.S. EPA |
| Egg flats | 12"x12" | 0.5 | U.S. EPA |
| Paper sacks | 25# size | 0.5 | U.S. EPA |
| Paper sacks | 50# dry goods | 1 | U.S. EPA |
| Calendars/books | 1 cubic foot | 50 | FEECO |
| Catalogs | 100 pages ledger | 1 | U.S. EPA |
| Computer printout, loose | 1 cubic yard | 655 | U.S. EPA |
| Mixed paper, loose (construction, fax, manila, some chipboard) | 1 cubic yard | 363.5 | U.S. EPA |
| Mixed paper, compacted (construction, fax, manila, some chipboard) | 1 cubic yard | 755 | U.S. EPA |
| Office paper (white, color, CPO, junk mail) | 13 gallon | 10.01 | U.S. EPA |
| Office paper (white, color, CPO, junk mail) | 33 gallon | 25.41 | U.S. EPA |
| Office paper (white, color, CPO, junk mail) | 55 gallon | 42.35 | U.S. EPA |
| Shredded paper | 33 gallons | 8 | U.S. EPA |
| White ledger paper | 12" stack | 12 | U.S. EPA |
| White ledger #20, 8.5" x 11" | 1 ream (500 sheets) | 5 | U.S. EPA |
| White ledger #20, 8.5"x 14" | 1 ream (500 sheets) | 6.4 | U.S. EPA |
| White ledger w/o CPO, loose | 1 cubic yard | 363.51 | Tellus |
| White ledger, uncompacted stacked | 1 cubic yard | 400 | U.S. EPA |
| White ledger, compacted stacked | 1 cubic yard | 800 | U.S. EPA |
| High grade/office paper | 40" x 48" x 40" | 650 | MN STATE |
| Colored message pads | 1 carton (144 pads) | 22 | U.S. EPA |
| Padded envelope | 9" x 12" | 0.88 | U.S. EPA |
| Magazines, 8.5" x 11" | 10 units | 3 | U.S. EPA |
| Magazines, stacked | 1 cubic yard | 1,215 | MN STATE |
| Magazines, loose | 1 cubic yard | 950 | MN STATE |

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|-----------------|--------------|----|----------|
| Manila envelope | 1 cubic foot | 37 | FEECO |
| Newspapers | 12" stack | 35 | U.S. EPA |
| Newspapers | 1 cubic foot | 38 | FEECO |

| Paper | | | |
|------------------------|------------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| Newspapers, loose | 1 cubic yard | 400 | U.S. EPA |
| Newspapers, stacked | 1 cubic yard | 875 | U.S. EPA |
| Phone book | Ventura | 4 | U.S. EPA |
| Phone books | 12" stack | 25 | MN STATE |
| Paper pulp, stock | 1 cubic foot | 60–62.00 | FEECO |
| Tab cards, uncompacted | 1 cubic yard | 605 | U.S. EPA |
| Tab cards, compacted | 1 cubic yard | 1,275.00 | U.S. EPA |
| Yellow legal pads | 1 case (72 pads) | 38 | U.S. EPA |

| Corrugated Cardboard | | | |
|-----------------------------|------------------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| OCC, beverage case | 4 six-packs, full case | 0.99 | U.S. EPA |
| OCC, box, large | 48" x 48" x 60" | 4 | U.S. EPA |
| OCC, box, medium | 24" x 24" x 30" | 2.2 | U.S. EPA |
| OCC, box, small | 12" x 12" x 15" | 1.1 | U.S. EPA |
| OCC, flattened boxes, loose | 1 cubic yard | 50.08 | Tellus |
| OCC, stacked | 1 cubic yard | 50 | U.S. EPA |
| OCC, whole boxes | 1 cubic yard | 16.64 | Tellus |
| OCC, uncompacted | 1 cubic yard | 100 | U.S. EPA |
| OCC, compacted | 1 cubic yard | 400 | U.S. EPA |
| OCC, baled | 1 cubic yard | 1,100 | MN STATE |
| OCC, baled | 30" x 60" x 48" | 900 | MN STATE |
| OCC, flattened boxes, loose | 40 cubic yard roll-off | 2000 | MN STATE |

| Plastic | | | |
|----------------|---------------|---------------|---------------|
| Product | Volume | Weight | Source |

| | | (lbs) | |
|--|--------------------------|-----------|----------|
| Film plastic/mixed, loose | 1 cubic yard | 22.55 | Tellus |
| HDPE film plastics, semi-compacted | 1 cubic yard | 75.96 | Tellus |
| LDPE film plastics, semi-compacted | 1 cubic yard | 72.32 | Tellus |
| HDPE juice, 8 oz. | 8 oz. | 0.1 | U.S. EPA |
| 1 gallon HDPE jug | 1 gallon | 0.33 | U.S. EPA |
| 1 gallon HDPE beverage container | milk/juice | 0.19–0.25 | U.S. EPA |
| HDPE (dairy only), whole, loose | 1 cubic yard | 25 | MN STATE |
| HDPE (dairy only), granulated | 1 cubic yard | 620 | MN STATE |
| HDPE (dairy only), whole, baled | 30" x 48" x 60" | 650 | MN STATE |
| HDPE (mixed), baled | 30" x 48" x 60" | 750 | MN STATE |
| HDPE (mixed), granulated | gaylord | 900 | MN STATE |
| HDPE (mixed), granulated | semi-trailer load | 42,000 | MN STATE |
| HDPE (whole), uncompacted | 1 cubic yard | 24 | MN STATE |
| HDPE (whole), compacted | 1 cubic yard | 270 | MN STATE |
| 1 liter PETE beverage bottle w/o cap | 1 liter | 0.09 | U.S. EPA |
| PETE water bottle | 50 oz. (over 1.5 liters) | 0.12 | U.S. EPA |
| PETE, 2 liter | 1 bottle | 0.13 | U.S. EPA |
| PET soda bottles, whole, loose | 1 cubic yard | 35 | MN STATE |
| PET soda bottles, whole, loose | 1 gaylord | 45 | MN STATE |
| PET soda bottles, whole, baled | 30" x 48" x 60" | 600 | MN STATE |
| PET soda bottles, whole, granulated | 1 gaylord | 725 | MN STATE |
| PET soda bottles, whole, granulated | 1 semi-trailer load | 3,000 | MN STATE |
| Mixed PET & dairy, whole, loose | 1 cubic yard | 30 | MN STATE |
| Mixed PET, dairy & other rigid, whole, loose | 1 cubic yard | 40 | MN STATE |
| Mixed rigid, no film or dairy, whole, loose | 1 cubic yard | 50 | MN STATE |
| Mixed rigid, no film, granulated | gaylord | 750 | MN STATE |
| Mixed rigid & film, densified by mixed plastic mold technology | 1 cubic yard | 60 | MN STATE |
| Mixed PET and HDPE, whole, loose | 1 cubic yard | 50 | MN STATE |
| 1 gallon container | 1 gallon | 0.42 | U.S. EPA |
| 1/2 gallon plastic beverage container | 1/2 gallon | 0.09 | U.S. EPA |

| Plastic | | | |
|---------------------------------------|-------------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| Beverage container | 12 oz. | 0.05 | U.S. EPA |
| Bubble wrap | 33 gallons | 3 | U.S. EPA |
| Bucket | 25 gallons | 1.1 | U.S. EPA |
| Bucket w/metal handle | 5 gallons | 1.9 | U.S. EPA |
| Cake decorator's boxes | each | 0.63 | U.S. EPA |
| Grocery bag | 100 bags | 0.77 | U.S. EPA |
| Film plastics, baled | 30" x 42" x 48" | 1,100 | MN STATE |
| Film plastics, baled | semi-trailer load | 44,000 | MN STATE |
| Film plastics, tightly packed by hand | 12" x 12" x 12" | 3 | MN STATE |
| Film plastics, loose and uncompacted | 1 cubic yard | 85 | MN STATE |
| HDPE 10–12 fluid oz. | | 0.05 | U.S. EPA |
| HDPE beverage case | | 1.2 | U.S. EPA |
| HDPE bread case | | 1.5 | U.S. EPA |
| HDPE gallon containers (not beverage) | 1 gallon | 0.06 | U.S. EPA |
| HDPE (auto) oil container | 1 quart size | 0.2 | U.S. EPA |
| Pot | 1 qt size | 0.25 | U.S. EPA |
| Mixed HDPE & PET | 1 cubic yard | 32 | U.S. EPA |
| Pallet, 48" x 48" | | 40 | U.S. EPA |
| Sheeting | square yard | 1 | U.S. EPA |
| Whole, uncompacted PET | 1 cubic yard | 30–40 | U.S. EPA |
| Polyethylene, resin pellets | 1 cubic foot | 30–35 | FEECO |
| Polystyrene beads | 1 cubic foot | 40 | FEECO |
| Polystyrene, packaging | 33 gallon | 1.5 | USEPA |
| Styrofoam kernels | 1 cubic yard | 6.27 | Tellus |
| Polystyrene, blown formed foam | 1 cubic yard | 9.62 | Tellus |
| Polystyrene, rigid, whole | 1 cubic yard | 21.76 | Tellus |
| PVC, loose | 1 cubic yard | 341.12 | Tellus |

| Glass | | | |
|----------------|---------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
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|-------------------------------------|---------------------|-----------|----------|
| Glass, broken | 1 cubic foot | 80–100 | FEECO |
| Glass, broken | 1 cubic yard | 2,160.00 | FEECO |
| Glass, plate | 1 cubic foot | 172 | FEECO |
| Window | 1 cubic foot | 157 | FEECO |
| 1 gallon jug | each | 2.10–2.80 | U.S. EPA |
| Beer bottle | each | 0.53 | U.S. EPA |
| Beverage container—8 oz | 1 bottle | 0.5 | U.S. EPA |
| Beverage container—8 oz | 1 case = 24 bottles | 12 | U.S. EPA |
| Beverage container—12 oz | 1 case = 24 bottles | 22 | U.S. EPA |
| Wine bottle | each | 1.08 | U.S. EPA |
| Bottles, whole | 1 cubic yard | 1,000 | MN STATE |
| Bottles, whole | 1 whole grocery bag | 15 | MN STATE |
| Glass, semi-crushed | 1 cubic yard | 1,400 | MN STATE |
| Glass, crushed (mechanically) | 1 cubic yard | 1,750 | MN STATE |
| Glass, uncrushed to manually broken | 55 gallon drum | 315 | MN STATE |

| Food | | | |
|--|----------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| Food waste, pasteurized and prepared for animal feed | 32 gallons | 170 | MN STATE |
| Bread, bulk | 1 cubic foot | 18 | FEECO |
| Fat | 1 cubic foot | 57 | FEECO |
| Fats, solid/liquid (cooking oil) | 1 gallon | 7.45 | U.S. EPA |
| Fats, solid/liquid (cooking oil) | 55 gallon drum | 410 | U.S. EPA |
| Fish, scrap | 1 cubic foot | 40–50 | FEECO |
| Meat, ground | 1 cubic foot | 50–55 | FEECO |
| Oil, olive | 1 cubic foot | 57.1 | FEECO |
| Oyster shells, whole | 1 cubic foot | 75–80 | FEECO |
| Produce waste, mixed, loose | 1 cubic yard | 1,443 | Tellus |

| Organics | | | |
|-----------------|---------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |

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|-----------------------|----------------|---------|----------|
| Yard trimmings, mixed | 1 cubic yard | 108 | U.S. EPA |
| Yard trimmings, mixed | 40 cubic yards | 4,320 | U.S. EPA |
| Grass | 33 gallons | 25 | U.S. EPA |
| Grass | 3 cubic yards | 840 | U.S. EPA |
| Grass & leaves | 3 cubic yards | 325 | U.S. EPA |
| Large limbs & stumps | 1 cubic yard | 1,080 | Tellus |
| Leaves, dry | 1 cubic yard | 343.7 | Tellus |
| Leaves | 33 gallons | 12 | U.S. EPA |
| Leaves | 3 cubic yards | 200–250 | U.S. EPA |
| Pine needles, loose | 1 cubic yard | 74.42 | Tellus |
| Prunings, dry | 1 cubic yard | 36.9 | Tellus |
| Prunings, green | 1 cubic yard | 46.69 | Tellus |
| Prunings, shredded | 1 cubic yard | 527 | Tellus |
| Hay, baled | 1 cubic foot | 24 | FEECO |
| Hay, loose | 1 cubic foot | 5 | FEECO |
| Straw, baled | 1 cubic foot | 24 | FEECO |
| Straw, loose | 1 cubic foot | 3 | FEECO |
| Compost | 1 cubic foot | 30–50 | FEECO |
| Compost, loose | 1 cubic yard | 463.39 | Tellus |

| Manure | | | |
|------------------------------|---------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| Manure | 1 cubic foot | 25 | FEECO |
| Manure, cattle | 1 cubic yard | 1,628 | Tellus |
| Manure, dried poultry | 1 cubic foot | 41.2 | FEECO |
| Manure, dried sheep & cattle | 1 cubic foot | 24.3 | FEECO |
| Manure, horse | 1 cubic yard | 1,252 | Tellus |

| Textiles | | | |
|-----------------------|---------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| Clothing, used, mixed | cubic yard | 225 | Tellus |

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|--------------------------------|-----------------|--------|----------|
| Mixed textiles, baled | 31" x 45" x 60" | 885 | MN STATE |
| Fabric, canvas | square yard | 1 | U.S. EPA |
| Leather, dry | 1 cubic foot | 54 | FEECO |
| Leather, scrap, semi-compacted | 1 cubic yard | 303 | Tellus |
| Rope | 1 cubic foot | 42 | FEECO |
| String | yard | 1 gram | U.S. EPA |
| Used clothing, mixed, loose | 1 cubic yard | 225 | Tellus |
| Used clothing, compacted | 1 cubic yard | 540 | Tellus |
| Wool | 1 cubic foot | 15–30 | FEECO |
| Carpet & padding, loose | 1 cubic yard | 84.4 | Tellus |

| Appliances and Furniture | | | | |
|---------------------------------|-----------------|----------------------------------|---------------------|---------------|
| Product | Material | Volume | Weight (lbs) | Source |
| Bookcase | Wood | 42" diameter | 91.5 | U.S. EPA |
| Bookcase | Wood | 3 shelves (36" wide) | 90 | U.S. EPA |
| Bookcase | Wood | 4 shelves (36" wide) | 110.9 | U.S. EPA |
| Bookcase | Wood | 5 shelves (36" wide) | 138.8 | U.S. EPA |
| Bookcase | Wood | 6 shelves (36" wide) | 134.6 | U.S. EPA |
| Bookcase | Wood | 7 shelves (34" wide) | 138.5 | U.S. EPA |
| Bookcase | Laminate | 4 shelves | 85 | U.S. EPA |
| Bookcase | Laminate | 5 shelves | 110 | U.S. EPA |
| Bookcase | Metal | 2 shelves (34"–36") | 44.5 | U.S. EPA |
| Bookcase | Metal | 3 shelves (34"–36") | 57.5 | U.S. EPA |
| Bookcase | Metal | 4 shelves (34"–36") | 70.5 | U.S. EPA |
| Bookcase | Metal | 5 shelves (34"–36") | 89 | U.S. EPA |
| File Cabinet | Metal | 6 shelves (34"–36") | 101 | U.S. EPA |
| File cabinet | Wood | 2 drawer, lateral | 155.14 | U.S. EPA |
| File cabinet | Laminate | 2-drawer, lateral | 171.5 | U.S. EPA |
| File cabinet | Metal | 2-drawer, lateral (30"–42") | 230.67 | U.S. EPA |
| File cabinet | Metal | 4-drawer, lateral (36") | 207.33 | U.S. EPA |
| File cabinet | Metal | 2-drawer, vertical (Letter size) | 60.6 | U.S. EPA |
| File cabinet | Metal | 4-drawer, vertical (Letter size) | 107.6 | U.S. EPA |

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|--------------|-------|---------------------------------|--------|----------|
| File cabinet | Metal | 2-drawer, vertical (Legal size) | 71.5 | U.S. EPA |
| Chair | Metal | 4-drawer, vertical (Legal size) | 123.5 | U.S. EPA |
| Chair | | Executive desk | 51.167 | U.S. EPA |
| Chair | | Guest arm | 38.2 | U.S. EPA |
| Chair | | Swivel arm | 45.25 | U.S. EPA |
| Chair | | Secretary with no arms | 31.76 | U.S. EPA |
| Chair | | Stacking | 15.83 | U.S. EPA |

| Appliances and Furniture | | | | |
|---------------------------------|-----------------|-----------------------------|---------------------|---------------|
| Product | Material | Volume | Weight (lbs) | Source |
| Air conditioner | | 1 unit | 64.2 | U.S. EPA |
| Dishwasher | | 1 unit | 92 | U.S. EPA |
| Dryer (clothes) | | 1 unit | 130 | U.S. EPA |
| Freezer | | 1 unit | 193 | U.S. EPA |
| Microwave oven | | 1 unit | 50 | U.S. EPA |
| Range | | 1 unit | 181.1 | U.S. EPA |
| Refrigerator | | 1 unit | 267 | U.S. EPA |
| Washer (clothes) | | 1 unit | 177 | U.S. EPA |
| Water heater | | 1 unit | 131 | |
| | | | | |
| Desk | Wood | Executive, double pedestal | 345 | U.S. EPA |
| Desk | Laminate | Double pedestal (72" x 36") | 299.5 | U.S. EPA |
| Desk | Laminate | Double pedestal (60" x 30") | 231 | U.S. EPA |
| Desk | Laminate | Single pedestal (72" x 36") | 250 | U.S. EPA |
| Desk | Laminate | Single pedestal (42" x 24") | 146 | U.S. EPA |
| Desk | Metal | Double pedestal (72" x 36") | 224.67 | U.S. EPA |
| Desk | Metal | Double pedestal (60" x 30") | 184.75 | U.S. EPA |
| Desk | Metal | Double pedestal (54" x 24") | 124 | U.S. EPA |
| Desk | Metal | Single pedestal (72" x 36") | 189 | U.S. EPA |
| Desk | Metal | Single pedestal (48" x 30") | 133.67 | U.S. EPA |
| Desk | Metal | Single pedestal (42" x 24") | 146 | U.S. EPA |
| Desk | Metal | Single pedestal (40" x 20") | 82 | U.S. EPA |

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|------------------------|----------|-----------------------------|--------|----------|
| Desk | | Small modular panel system | 422 | U.S. EPA |
| Work station | | Large modular panel system | 650 | U.S. EPA |
| Work station | Laminate | With return (60" x 30") | 329.33 | U.S. EPA |
| Bridge | Metal | With return (60" x 30") | 230.67 | U.S. EPA |
| Bridge | Wood | Executive | 76.67 | U.S. EPA |
| Credenza | Laminate | | 140 | U.S. EPA |
| Credenza | Wood | | 250.78 | U.S. EPA |
| Credenza | Laminate | | 230.14 | U.S. EPA |
| Round conference table | Metal | With knee space (60" x 24") | 156.67 | U.S. EPA |

Aluminum

| Product | Volume | Weight (lbs) | Source |
|--|--------------------|--------------|----------|
| Aluminum foil, loose | 1 cubic yard | 48.1 | Tellus |
| Aluminum scrap, cubed | 1 cubic yard | 424 | Tellus |
| Aluminum scrap, whole | 1 cubic yard | 175 | Tellus |
| Aluminum cans, uncrushed | 1 case = 24 cans | 0.89 | U.S. EPA |
| Aluminum cans, crushed | 13 gallons | 7.02 | U.S. EPA |
| Aluminum cans, crushed | 33 gallons | 17.82 | U.S. EPA |
| Aluminum cans, crushed | 39 gallons | 31.06 | U.S. EPA |
| Aluminum cans, crushed & uncrushed mix | 1 cubic yard | 91.4 | Tellus |
| Aluminum cans, uncrushed | 1 full grocery bag | 1.5 | U.S. EPA |
| Aluminum cans, uncrushed | 13 gallons | 2.21 | U.S. EPA |
| Aluminum cans, uncrushed | 33 gallons | 5.61 | U.S. EPA |
| Aluminum cans, uncrushed | 39 gallons | 6.63 | U.S. EPA |
| Aluminum cans (whole) | 1 cubic yard | 65 | U.S. EPA |
| Aluminum, chips | 1 cubic foot | 7–15 | FEECO |
| Aluminum/tin Cans commingled—uncrushed | 33 gallon | 11.55 | USEPA |

Ferrous Metals

| Product | Volume | Weight (lbs) | Source |
|---------|--------|--------------|--------|
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|---|---------------------|---------|----------|
| Metal scrap | 55 gallon | 226.5 | U.S. EPA |
| Metal, car bumper | 1 cubic yard | 906 | U.S. EPA |
| Paint can | each | 40 | U.S. EPA |
| Radiator, ferrous | 5 gallon | 2.21 | U.S. EPA |
| Hanger (adult) | each | 20 | U.S. EPA |
| Hanger (child) | each | 0.14 | CIWMB |
| Tin can, ferrous | each | 0.09 | CIWMB |
| Tin can, ferrous | #2.5 | 0.13 | U.S. EPA |
| Tin can, ferrous | #5 | 0.28 | U.S. EPA |
| Tin coated steel cans | #10 | 0.77 | U.S. EPA |
| Tin coated steel cans | 1 cubic yard | 850 | U.S. EPA |
| Tin, tuna can (3/4 of #10), ferrous | 1 case (6 #10 cans) | 22 | U.S. EPA |
| Tin, cat food can, ferrous | each | 0.58 | U.S. EPA |
| Tin, dog food can, large, ferrous | 8 oz. | 0.14 | U.S. EPA |
| Tin, dog food can, ferrous | 22 oz. | 0.22 | U.S. EPA |
| Tin, cast | 15.5 oz. | 0.11 | U.S. EPA |
| Cast iron chips or borings | 1 cubic foot | 130-200 | FEECO |
| Iron cast ductile | 1 cubic foot | 444 | FEECO |
| Iron, ore | 1 cubic foot | 100-200 | FEECO |
| Iron, wrought | 1 cubic foot | 480 | FEECO |
| Steel, shavings | 1 cubic foot | 58-65 | FEECO |
| Steel, solid | 1 cubic foot | 487 | FEECO |
| Steel, trimmings | 1 cubic foot | 75-150 | FEECO |
| Steel/tin cans, whole | 1 cubic yard | 150 | MN STATE |
| Steel/tin cans, flattened | 1 cubic yard | 850 | MN STATE |
| Steel/tin cas and aluminum cans comingled and flattened | 1 cubic yard | 230 | MN STATE |
| Brass, cast | 1 cubic foot | 75-50 | FEECO |
| Brass, scrap | 1 cubic foot | 519 | FEECO |
| Bronze, | 1 cubic yard | 906.43 | Tellus |
| Copper fittings, loose | 1 cubic foot | 552 | FEECO |

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| Ferrous Metals |
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| Product | Volume | Weight (lbs) | Source |
|-----------------------|--------------|--------------|--------|
| Copper pipe, whole | 1 cubic yard | 1,047.62 | Tellus |
| Copper, cast | 1 cubic yard | 210.94 | Tellus |
| Copper, ore | 1 cubic foot | 120-150 | FEECO |
| Copper, cast | 1 cubic foot | 120-150 | FEECO |
| Copper, wire, whole | 1 cubic yard | 1,093.52 | Tellus |
| Chrome ore (chromite) | 1 cubic yard | 337.5 | Tellus |
| Lead, commercial | 1 cubic foot | 710 | FEECO |
| Lead, ores | 1 cubic foot | 200-270 | FEECO |
| Nickel, ore | 1 cubic yard | 1,603.84 | Tellus |
| Nickel, rolled | 1 cubic foot | 150 | FEECO |

| Rubber | | | |
|----------------------|--------------|--------------|----------|
| Product | Volume | Weight (lbs) | Source |
| Tire, bus | | 75 | U.S. EPA |
| Tire, car | | 20 | U.S. EPA |
| Tire, truck | | 60-100 | U.S. EPA |
| Rubber, car bumper | | 15 | U.S. EPA |
| Rubber, manufactured | 1 cubic foot | 95 | FEECO |
| Rubber, pelletized | 1 cubic foot | 50-55 | FEECO |

| Miscellaneous | | | |
|---|-------------------------------|--------------|----------|
| Product | Volume | Weight (lbs) | Source |
| Toner cartridge | | 2.5 | U.S. EPA |
| Personal computer | CPU (central processing unit) | 26 | U.S. EPA |
| Computer monitor | | 30 | U.S. EPA |
| Computer printer | | 25.33 | U.S. EPA |
| Commingled plastic, glass, and metal containers | 1 cubic yard | 177 | MN STATE |
| Major household appliance (average) | 1 unit | 150 | MN STATE |
| Motor vehicle battery | one | 40 | MN |

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| | | | STATE |
| Oil Filter | 3 filters | 1 | MN STATE |
| Latex Paint | 1 gallon | 10.9 | MN STATE |
| Mattress | one | 55 | MN STATE |
| Ink | 55 gallon drum | 400 | MN STATE |
| Household batteried | 55 gallon drum | 600 | MN STATE |
| Fluorescent bulbs | 1 four foot bulb | 0.625 | U.S. EPA |

| Wood | | | |
|-------------------------------|-------------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| | | | |
| Cork, dry | 1 cubic foot | 15 | FEECO |
| Pallet, wood or plastic | average 48" x 48" | 40 | U.S. EPA |
| Particle board, loose | 1 cubic yard | 425.14 | Tellus |
| Plywood, sheet 2' x 4' | 1 cubic yard | 776.3 | Tellus |
| Roofing/shake shingle, bundle | 1 cubic yard | 435.3 | Tellus |
| Sawdust, loose | 1 cubic yard | 375 | Tellus |
| Shavings, loose | 1 cubic yard | 440 | Tellus |
| Wood chips, shredded | 1 cubic yard | 500 | U.S. EPA |
| Wood scrap, loose | 1 cubic yard | 329.5 | Tellus |
| Wood, pulp, moist | 1 cubic foot | 45–65 | FEECO |
| Wood, shavings | 1 cubic foot | 15 | FEECO |

| Construction and Demolition Debris | | | |
|---|---------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| | | | |
| Ashes, dry | 1 cubic foot | 35–40 | FEECO |
| Ashes, wet | 1 cubic foot | 45–50 | FEECO |
| Asphalt, crushed | 1 cubic foot | 45 | FEECO |
| Asphalt/paving, crushed | 1 cubic yard | 1,380 | Tellus |
| Asphalt/shingles comp, loose | 1 cubic yard | 418.5 | Tellus |
| Asphalt/tar roofing | 1 cubic yard | 2,919 | Tellus |

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|------------------------------|--------------|---------|--------|
| Bone meal, raw | 1 cubic foot | 54.9 | FEECO |
| Brick, common hard | 1 cubic foot | 112–125 | FEECO |
| Brick, whole | 1 cubic yard | 3,024 | Tellus |
| Cement, bulk | 1 cubic foot | 100 | FEECO |
| Cement, mortar | 1 cubic foot | 145 | FEECO |
| Ceramic tile, loose 6"x 6" | 1 cubic yard | 1,214 | Tellus |
| Chalk, lumpy | 1 cubic foot | 75–85 | FEECO |
| Charcoal | 1 cubic foot | 15–30 | FEECO |
| Clay, kaolin | 1 cubic foot | 22–33 | FEECO |
| Clay, potter's dry | 1 cubic foot | 119 | FEECO |
| Concrete, cinder | 1 cubic foot | 90–110 | FEECO |
| Concrete, scrap, loose | 1 cubic yard | 1,855 | Tellus |
| Cork, dry | 1 cubic foot | 15 | FEECO |
| Earth, common, dry | 1 cubic foot | 70–80 | FEECO |
| Earth, loose | 1 cubic foot | 76 | FEECO |
| Earth, moist, loose | 1 cubic foot | 78 | FEECO |
| Earth, mud | 1 cubic foot | 104–112 | FEECO |
| Earth, wet, containing clay | 1 cubic foot | 100–110 | FEECO |
| Fiberglass insulation, loose | 1 cubic yard | 17 | Tellus |
| Fines, loose | 1 cubic yard | 2,700 | Tellus |
| Glass, broken | 1 cubic foot | 80–100 | FEECO |
| Glass, plate | 1 cubic foot | 172 | FEECO |
| Glass, window | 1 cubic foot | 157 | FEECO |
| Granite, broken or crushed | 1 cubic foot | 95–100 | FEECO |

| Construction and Demolition Debris | | | |
|---|---------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| | | | |
| Granite, solid | 1 cubic foot | 130–166 | FEECO |
| Gravel, dry | 1 cubic foot | 100 | FEECO |
| Gravel, loose | 1 cubic yard | 2,565 | Tellus |
| Gravel, wet | 1 cubic foot | 100–120 | FEECO |
| Gypsum, pulverized | 1 cubic foot | 60–80 | FEECO |

| | | | |
|---------------------------------------|--------------|---------|--------|
| Gypsum, solid | 1 cubic foot | 142 | FEECO |
| Lime, hydrated | 1 cubic foot | 30 | FEECO |
| Limestone, crushed | 1 cubic foot | 85–90 | FEECO |
| Limestone, finely ground | 1 cubic foot | 99.8 | FEECO |
| Limestone, solid | 1 cubic foot | 165 | FEECO |
| Mortar, hardened | 1 cubic foot | 103 | FEECO |
| Mortar, wet | 1 cubic foot | 150 | FEECO |
| Mud, dry close | 1 cubic foot | 110 | FEECO |
| Mud, wet fluid | 1 cubic foot | 120 | FEECO |
| Pebbles | 1 cubic foot | 90–100 | FEECO |
| Pumice, ground | 1 cubic foot | 40–45 | FEECO |
| Pumice, stone | 1 cubic foot | 39 | FEECO |
| Quartz, sand | 1 cubic foot | 70–80 | FEECO |
| Quartz, solid | 1 cubic foot | 165 | FEECO |
| Rock, loose | 1 cubic yard | 2,570 | Tellus |
| Rock, soft | 1 cubic foot | 100–110 | FEECO |
| Sand, dry | 1 cubic foot | 90–110 | FEECO |
| Sand, loose | 1 cubic yard | 2,441 | Tellus |
| Sand, moist | 1 cubic foot | 100–110 | FEECO |
| Sand, wet | 1 cubic foot | 110–130 | FEECO |
| Sewage, sludge (see Appendix I) | 1 cubic foot | 40–50 | FEECO |
| Sewage, dried sludge (see Appendix I) | 1 cubic foot | 35 | FEECO |
| Sheetrock scrap, loose | 1 cubic yard | 393.5 | Tellus |
| Slag, crushed | 1 cubic yard | 1,998 | Tellus |
| Slag, loose | 1 cubic yard | 2,970 | Tellus |

| Construction and Demolition Debris | | | |
|---|---------------|---------------------|---------------|
| Product | Volume | Weight (lbs) | Source |
| | | | |
| Slag, solid | 1 cubic foot | 160–180 | FEECO |
| Slate, fine ground | 1 cubic foot | 80–90 | FEECO |
| Slate, granulated | 1 cubic foot | 95 | FEECO |
| Slate, solid | 1 cubic foot | 165–175 | FEECO |

| | | | |
|-------------------------------------|--------------|--------|--------|
| Sludge, raw sewage (see Appendix I) | 1 cubic foot | 64 | FEECO |
| Soap, chips | 1 cubic foot | 15–25 | FEECO |
| Soap, powder | 1 cubic foot | 20–25 | FEECO |
| Soap, solid | 1 cubic foot | 50 | FEECO |
| Soil/sandy loam, loose | 1 cubic yard | 2,392 | Tellus |
| Stone or gravel | 1 cubic foot | 95–100 | FEECO |
| Stone, crushed | 1 cubic foot | 100 | FEECO |
| Stone, crushed, size reduced | 1 cubic yard | 2,700 | Tellus |
| Stone, large | 1 cubic foot | 100 | FEECO |
| Wax | 1 cubic foot | 60.5 | FEECO |
| Wood ashes | 1 cubic foot | 48 | FEECO |

Volume to Weight Conversion Sources

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<http://www.tellus.org>

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