

COMMON MATERIAL CONVERSIONS

'VOLUME TO WEIGHT'

PLASTIC

- HDPE (whole, uncrushed)
1 cubic yard = 30 lbs.
- HDPE (flattened by hand)
1 cubic yard = 50 lbs.
- PET (whole, uncrushed)
1 cubic yard = 40 lbs.

CORRUGATED CARDBOARD

- Uncompacted, Flattened
1 cubic yard = 200 lbs.
- Compacted
1 cubic yard = 500 lbs.

NEWSPAPER

- Loose (no strings or bags)
1 cubic yard = 400 lbs
- Neatly stacked (tied w/string)
1 cubic yard = 400 lbs
One 12" stack bundled news = 35 lbs.
- Compacted
Down stroke 750 lbs/ cubic yard
Horizontal 800 lbs/ cubic yard

OFFICE PAPER

- Uncompacted
White or colored ledger, flat
1 cubic yard = 400 lbs.
Computer paper
1 cubic yard = 600 lbs.

MIXED PAPER

- Uncompacted
Varies widely with content
Ranges 50 to 500 lbs. per cubic yard

GLASS

- Loose (whole bottles)
1 cubic yard = 600 lbs.
175 lbs. in one, 55 gallon drum
- Semi-crushed (manually broken)
1 cubic yard = 1000 lbs.
55 gallon drum = 300 lbs.
- Crushed, maximum size, 1 1/12"
(mechanically broken)
1 cubic yard = 70 lbs.
One full grocery bag = 1.5 lbs

ALUMINUM CANS

- Whole:
1 cubic yard = 70 lbs.
One full grocery bag = 1.5 lbs
One large plastic garbage bag = 21 lbs.
Uncompacted 1 case (24 cans) = 0.8 lbs.
- Compacted (manually), Flattened:
1 cubic yard = 250 lbs.

FERROUS CANS (tin coated steel cans):

- Whole
1 cubic yard = 150 lbs.
- Flattened

1 cubic yard = 850 lbs.

- Whole
1 case (6 cans) = 2.2 lbs.

ROOFING

- Asphalt Shingles
1 cubic yard = 400 lbs

DRYWALL

- Uncompacted
1 cubic yard = 400 lbs

MAJOR APPLIANCES

- Air conditioner (room)
1 unit = 64 lbs.
- Dishwashers
1 unit = 92 lbs.
- Clothes Dryer
1 unit = 130 lbs.
- Clothes Washer
1 unit = 177 lbs.
- Ranges
1 unit = 181 lbs
- Refrigerator
1 unit = 267 lbs.
- Water Heater
1 unit = 131 lbs.

ORGANIC MATERIALS

- Leaves (uncomposted & *uncompacted*)
1 cubic yard = 150 lbs.
13 cubic yards = 1 ton
- Leaves (uncomposted & *compacted*)
1 cubic yard = 450 lbs.
4.4 cubic yards = 1 ton
- Leaves (uncomposted & *vacuumed*)
1 cubic yard = 350 lbs.
5.7 cubic yards = 1 ton

- Leaves (*composted*)
1 cubic yard = 550 lbs.
Composting reduces leaf volume by 80%

- Wood Chips
1 cubic yard = 500 lbs.
4 cubic yards = 1 ton
- Grass Clippings
1 cubic yard = 400 lbs.
5 cubic yards = 1 ton

OTHER MATERIALS

- Passenger Car Tires
1 tire = about 20 lbs.
110 tires = 1 ton
- Truck Tires
1 tire = 120 lbs.
17 tires = 1 ton
- Food Waste
(Mixed food waste)
1 cubic yard = 500 lbs.
- Demolition Debris
1 cubic yard = 500 lbs.
1.6 cubic yards = 1 ton
- Trees and Brush
1 cubic yard = 300 lbs.
6.6 cubic yards = 1 ton
- Foam Rubber Mattress
1 mattress = 55 lbs.
- Mixed Bulky Waste
1 cubic yard = 400 lbs.
5 cubic yards = 1 ton
- Wood Pallets
1 pallet = 40 lbs. average
- Wood Waste
1 cubic yard = 350 lbs.
5.7 cubic yards = 1 ton