

TYPES OF PLASTIC



Poly-Ethylene Terephthalate (PET)

The most common type of plastic, PET is used in soft drink bottles and containers for ice, water, liquor, cooking oil, food condiments, mouthwash and cleaning products. It may be recycled into food containers, filling for jackets and sleeping bags, bathtubs and carpet, and other plastic items.



High Density Polyethylene (HDPE)

Another plastic with many uses, this type is often found in milk jugs, yogurt and film containers, grocery bags, gasoline tanks, detergent bottles, toys, pipes and 55-gallon drums. It may be recycled into toys, plastic lumber, mud flaps, flower pots, grocery bags, sheet plastic and containers.



Polyvinyl Chloride (PVC)

Though frequently used, PVC is more difficult to recycle than numbers 1 and 2. Pressure pipe, surgical gloves, clear food packaging and house siding are all made from this plastic.



Low Density Polyethylene (LDPE)

This plastic type is often seen as bread packaging, dry cleaning or sandwich bags, toys, paint can lids and milk bottle caps.



Polypropylene (PP)

Polypropylene plastic is widely used in food containers, yarns and fabrics, upholstery, luggage and car seats.



Polystyrene (PS)

With a very wide range of uses, this resin is used to make everything from videocassettes and TVs, to egg cartons and fast food packaging.



All Other Resins

Various other resin types and multi-layered material form this last group.

TECHNICAL SPECIFICATIONS

Finished products are manufactured from a minimum of 96% (by weigh) commingled, post-consumer and/or post-industrial recycled plastic.

To obtain color, **UV stability** and other desirable properties in the product, various additives may be incorporated into the plastic; these items amount to a maximum of 4% of the product.

Density (lbs/ft ³)	57-60
Compressive Strength (p.s.i.)	3500
Specific Gravity (H ₂ O = 1)	.92-.95
Melting Point	400° F
Extinguishing Media	Water-Foam-CO ₂

There are approximately **7 milk jugs to a pound** of finished product.

There are approximately **4 two-liter soda bottles** to a pound of finished product.

One **Car Stop** contains the equivalent of **280 milk jugs**.

One **Speed Bump** contains the equivalent of **230 milk jugs**.

One **4' flat or hi-back Park Bench** contains the equivalent of **750 milk jugs**.

One **6' flat or hi-back Park Bench** contains the equivalent of **1,155 milk jugs**.

One **Landscape Timber** (6" x 8" x 8') contains the equivalent of **735 milk jugs**.

Plastic Recycling of Iowa Falls, Inc. uses over 4,000,000 pound of material annually. This is equivalent to **28 million milk jugs**.