

# The Benefits of Buying Recycled Plastic Products

Plastics are valuable materials that should be recycled. By doing more with less, plastic products and packages help promote energy efficiency, reduce greenhouse gas emissions and conserve resources

## Reduced Oil Consumption

Manufacturers make plastic from crude oil derivatives or natural gas, so making more plastic consumes an increasing amount of nonrenewable fossil fuel. The amount of oil needed to produce a plastic bottle is enough to fill a quarter of the bottle. Recycling plastic cuts back on oil consumption, thereby helping to extend the lifespan of our remaining fossil fuel reserves.

## Saving Energy

To produce plastic, manufacturers must chemically alter crude oil derivatives. One common technique is radical polymerization, which typically involves compressing the reactants to about a thousand times atmospheric pressure and heating them to 100 degrees Celsius or above. This kind of technique consumes a considerable amount of energy. Recycling plastic still uses energy, because the plastic must be shredded, cleaned, melted and remolded, but it usually requires less energy than making fresh plastic.

## Reducing Waste

Plastics are durable; their toughness and inertness are what makes them so useful. Unfortunately, they're so durable that they break down very slowly in a landfill. When plastics find their way into the environment -- into the ocean, for example -- they can break down more quickly, but they still take a long time to biodegrade. Reduce replacement costs while you also help keep plastic and discarded wood furniture out of landfills.

## Types and Uses

Only two types of plastic, polyethylene terephthalate and high-density polyethylene, are recycled at most locations. These two types are distinguished by the resin codes, which are usually printed on the plastic itself or the packaging, and are denoted by a number surrounded by the recycling symbol. PET is resin code 1; HDPE is resin code 2. Recycled PET and HDPE can be used to make new bottles, polyester fibers for use in clothing, car parts and plastic lumber.

### Recycled Material in our benches consists of:

Post consumer products using HDPE (#2 plastic)

- Yogurt & Margarine Tubs
- Juice Jugs
- Milk Jugs
- Cereal Box Liners
- Food Jars
- Detergent Bottles
- Water Jugs
- Bottles from Household Cleaners

UV Stabilizers to protect from sun (fading)

Color

Molding Enhancers



## Comparison of recycled HDPE plastic and other materials used to make outdoor furnishings

Key Attributes	Recycled HDPE	Natural Lumber	Treated Lumber	Composite*	Steel	Aluminum	Concrete
Environmentally Responsible	Best	Fair	Poor	Fair	Fair	Good	Good
Recycling Friendly	Best	Poor	Poor	Poor	Good	Best	Poor
Maintenance Free	Best	Poor	Poor	Good	Poor	Fair	Good
Need for Refinishing	Best	Poor	Poor	Good	Poor	Fair	Good
Rust, Rot or Decay	Best	Poor	Good	Fair	Poor	Good	Fair
Splitting or Splintering	Best	Poor	Poor	Good	Good	Best	Good
Moisture Resistant	Best	Poor	Fair	Fair	Good	Good	Fair
Insect Resistant	Best	Poor	Fair	Good	Good	Good	Fair
Resistant to Salt & Corrosion	Best	Good	Good	Fair	Poor	Fair	Poor
Resistant to Extreme Weather	Best	Fair	Fair	Good	Good	Good	Good
Hygienic/Easy to Clean	Best	Poor	Poor	Fair	Fair	Good	Fair
Long Term Value	Best	Poor	Fair	Fair	Fair	Good	Fair

\*Composite refers to material using a combination of plastic and organic matter such as saw-dust.



# PollyProducts.com

Park Furnishings That Stand the Test of Time

12 N. Charlotte Rd.  
Mulliken, MI 48861 USA  
(517) 694-2243 (877) 609-2243  
(517) 649-2284 fax  
www.pollyproducts.com



Made in USA



100% Recycled  
Product



Eco-Friendly



## BENEFITS OF TRULY RECYCLED PLASTIC FURNITURE

- **100% recycled plastic**, with NO virgin and NO industrial; saves natural resources and waste from landfills
- Truly recycled: the EPA only requires manufacturers to utilize 90% recycled content to state their product is recycled (EPA's Recovered Materials Advisory Notice or RMAN, 9/2007), but that content can include sawdust, wood or fiberglass, which renders the resulting products UN-RECYCLABLE!! That defeats the purpose, and creates a greater problem than the original, as the plastic lumber will take millennia to decompose. **We use only recycled plastic in our products.**
- Zero formaldehyde, which can be found in some composite recycled products
- Molded color-thru with UV inhibitors to prevent fading
- Maintenance free, no scraping, painting, staining or sheltering for storage required
- Stainless steel fasteners (vs. galvanized) for longer durability and no rust staining
- Resistant to rot, decay, insects, moisture, salt and corrosive materials
- Long-term cost benefits, as recycled plastic furniture reduces replacement costs
- 20-year warranty – that's huge, check our competitors' warranties and you'll see; **a warranty is only as good as the first failed component.** When competitors' galvanized bolts fail and rust, those are not covered.
- Personalization / memorial engraving and plaques available, with or without resin inlay
- Logos, mascots, school or team custom engraving available
- Green Scape tables and benches offer the look of wrought iron, without rust or maintenance. Made of solid, recycled plastic they are impervious to moisture and will never require painting.
- Suitable for cafeterias, schools, corporate, healthcare, hospitality, churches, municipalities, parks, cityscapes, rest areas, trails, markets, marinas, water parks, food courts
- Custom signs can be fabricated with laminated sheet goods to provide multi-color text.
- Accessories (trash and recycle receptacles, literature racks, planters, message centers) for **complete design continuity throughout your facility**
- Receptacles are constructed with stainless steel fasteners *on the interior*, which results in a smooth, unblemished slat without unsightly bolt heads, and additional durability of the fasteners from weather. Galvanized bolts will eventually rust, and discolor the product with rust runs on the exterior.
- **100% made and assembled in the USA** (Mulliken, Michigan)

The post-consumer plastic used in our manufacturing is #2 HDPE, which is derived from:

Milk jugs  
Juice jugs  
Water jugs  
Detergent bottles

Yogurt and margarine tubs  
Plastic food jars  
Cereal box liners  
Household cleaner bottles

We use **stainless steel fasteners** in all of our tables, benches, receptacles, message centers and facility products to ensure a lifetime of commercial durability and prevent rust deterioration and discoloration.