







Resin Code	Type		Molecular Formula	Heating Value, BTU/lb	Product Applications
	PET	Polyethylene terephthalate	$ \begin{array}{c} \text{O} \\ \parallel \\ -\text{O} - (\text{CH}_2)_2 - \text{O} - \text{C} - \text{C}_6\text{H}_4 - \text{C} - \\ \parallel \\ \text{O} \end{array} $	12,810	<ul style="list-style-type: none"> * Plastic bottles for soda, water, etc. * Food Jars * Microwavable food trays * Textiles, carpet * Strapping and films
	HDPE	High Density polyethylene	$-\text{CH}_2 - \text{CH}_2 -$	20,050	<ul style="list-style-type: none"> * Bottles for milk, water, juice, cosmetics, shampoo, dish and laundry detergents, household cleaners * Grocery bags and cereal box liners * extruded pipe, conduit, plastic wood composites composites, wire and cable covering
	PVC	Polyvinylchloride	$ \begin{array}{c} -\text{CH}_2 - \text{CH} - \\ \\ \text{Cl} \end{array} $	7,720	<ul style="list-style-type: none"> * rigid packaging, * shrink wrap, deli and meet wrap * pipe, siding, window frames, fencing * cable insulation, carpet backing, flooring
	LDPE LLDPE	Low Density Polyethylene	$-\text{CH}_2 - \text{CH}_2 -$	20,020	<ul style="list-style-type: none"> * Bags for dry cleaning, newspapers, bread, frozen foods, produce, and garbage. * Shrink wrap, stretch film, container lids * Toys * Squeezable bottles * adhesives, sealants, wire and cable coverings
	PP	Polypropylene	$ \begin{array}{c} -\text{CH}_2 - \text{CH} - \\ \\ \text{CH}_3 \end{array} $	20,030	<ul style="list-style-type: none"> * Yogurt, margarine, deli food containers * Medicine bottles, bottle caps * Catsup and syrup bottles * Packaging * Fibers, appliances, carpeting, automotive
	PS	Polystyrene	$ \begin{array}{c} -\text{CH}_2 - \text{CH} - \\ \\ \text{C}_6\text{H}_5 \end{array} $	17,850	<ul style="list-style-type: none"> * Food service items: cups, plates, bowls cutlery, takeout containers, yogurt containers * Foam packaging for furniture and electronics * Packing peanuts * Compact disc cases and aspirin bottles * medical products and toys



