








Resin Codes	Descriptions	Product Applications
	<p>Polyethylene Terephthalate (PET, PETE). PET is clear, tough, and has good gas and moisture barrier properties. This resin is commonly used in beverage bottles and many injection-molded consumer product containers. Cleaned, recycled PET flakes and pellets are in great demand for spinning fiber for carpet yarns, producing fiberfill and geotextiles. Nickname: Polyester.</p>	<p>Plastic bottles for soft drinks, water, juice, sports drinks, beer, mouthwash, catsup and salad dressing.</p> <p>Food jars for peanut butter, jelly, jam and pickles.</p> <p>Ovenable film and microwavable food trays.</p> <p>In addition to packaging, PET's major uses are textiles, monofilament, carpet, strapping, films, and engineering moldings.</p>
	<p>High Density Polyethylene (HDPE) HDPE is used to make many types of bottles. Unpigmented bottles are translucent, have good barrier properties and stiffness, and are well suited to packaging products with a short shelf life such as milk. Because HDPE has good chemical resistance, it is used for packaging many household and industrial chemicals such as detergents and bleach.</p>	<p>Bottles for milk, water, juice, cosmetics, shampoo, dish and laundry detergents, and household cleaners.</p> <p>Bags for groceries and retail purchases.</p> <p>Cereal box liners.</p> <p>Reusable shipping containers.</p> <p>In addition to packaging, HDPE's major uses are in injection molding applications, extruded pipe and conduit, plastic wood composites, and wire and cable covering.</p>
	<p>Polyvinyl Chloride (PVC, Vinyl) In addition to its stable physical properties, PVC has good chemical resistance, weatherability, flow characteristics and stable electrical properties. The diverse slate of vinyl products can be broadly divided into rigid and flexible materials.</p>	<p>Rigid packaging applications include blister packs and clamshells.</p> <p>Flexible packaging uses include bags for bedding and medical, shrink wrap, deli and meat wrap and tamper resistance.</p> <p>In addition to packaging, PVC's major uses are rigid applications such as pipe, siding, window frames, fencing, decking and railing. Flexible applications include medical products such as blood bags and medical tubing, wire and cable insulation, carpet backing, and flooring.</p>

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	<p>Low Density Polyethylene (LDPE) LDPE is used predominately in film applications due to its toughness, flexibility and relative transparency, making it popular for use in applications where heat sealing is necessary. LDPE also is used to manufacture some flexible lids and bottles as well as in wire and cable applications.</p>	<p>Bags for dry cleaning, newspapers, bread, frozen foods, fresh produce, and household garbage.</p> <p>Shrink wrap and stretch film.</p> <p>Coatings for paper milk cartons and hot and cold beverage cups.</p> <p>Container lids.</p> <p>Toys.</p> <p>Squeezable bottles (e.g., honey and mustard).</p> <p>In addition to packaging, LDPE's major uses are in injection molding applications, adhesives and sealants, and wire and cable coverings.</p>
	<p>Polypropylene (PP) PP has good chemical resistance, is strong, and has a high melting point making it good for hot-fill liquids. This resin is found in flexible and rigid packaging, fibers, and large molded parts for automotive and consumer products.</p>	<p>Containers for yogurt, margarine, takeout meals, and deli foods.</p> <p>Bottle caps and closures.</p> <p>In addition to packaging, PP's major uses are in fibers, appliances and consumer products, including durable applications such as automotive and carpeting.</p>
 SBC	<p>Polystyrene (PS). PS is a versatile plastic that can be rigid or foamed. General purpose polystyrene is clear, hard and brittle. It has a relatively low melting point. Typical applications include protective packaging, foodservice packaging, bottles, and food containers.</p> <p>Styrene Butadiene Copolymer (SBC) SBC is a tough copolymer and is easier to process than most rigid packaging resins, making it a preferred solution to polyethylene terephthalate (PET) and polyvinyl chloride (PVC). SBC offers customers more options in rigid packaging applications than other plastics.</p>	<p>PS: Food service items, such as cups, bowls, cutlery, hinged takeout containers (clamshells), meat and poultry trays, and rigid food containers (e.g., yogurt). These items may be made with foamed or non-foamed PS.</p> <p>Compact disc cases and aspirin bottles.</p> <p>In addition to packaging, PS's major uses are in agricultural trays, electronic housings, cable spools, building insulation, video cassette cartridges, coat hangers, and medical products and toys.</p> <p>SBC: A good choice for packaging needs in the medical, electronic, personal care, and consumer markets. Brand Name: K-Resin®</p>

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	<p>Other Use of this code indicates that a package is made with a resin other than the six listed above, or is made of more than one resin and is used in a multi-layer combination</p>	
ABS	<p>Acrylonitrile butadiene styrene (ABS) The most important mechanical properties of ABS are resistance and toughness.</p>	<p>ABS: Plastic to produce cases for PCs, laptops and mobile telephones. A requirement in these applications is exceptional impact strength.</p>
PC	<p>Polycarbonate (PC) Industry brand known commonly as Lexan.[®] The main advantage of polycarbonate over other types of plastic is unbeatable strength combined with light weight.</p>	<p>Polycarbonate: A versatile, tough plastic used for a variety of applications, from bulletproof windows to compact disks (CDs).</p>
ACRYLIC	<p>Polymethyl methacrylate (PMA or Acrylic) It is often preferred because of its easy handling and processing, and low cost. Acrylic is often used as an alternative to glass.</p>	<p>Acrylic: Has excellent environmental stability, and is therefore often the material of choice for outdoors uses.</p>
SAN (AS)	<p>Styrene Acrylonitrile (SAN or AS) Provides higher strength, rigidity, and chemical resistance than polystyrene.</p>	<p>SAN: Widely used in restaurants and hotels as a more durable alternative to glass and crystal.</p>
EASTMAN TRITAN[®] COPOLYESTER	<p>Eastman Tritan[®] Copolyester (Tritan) Eastman Tritan[®] is a compelling alternative to most polymers, including polycarbonate. Tritan offers a mix of performance properties, including clarity, toughness, heat resistance and chemical resistance.</p>	<p>Eastman Tritan[®]: It has the ability to withstand hundreds of home or commercial dishwasher cycles without cracking.</p>
PCTG	<p>PolyCyclohexylendimethylene Terephthalate Glycol (PCTG) Because of its clarity, toughness and good melting strength, PCTG is useful in a number of applications. It has high gloss and is transparent. It is tough and resistant to stress whitening.</p>	<p>PCTG: Can be used in a variety of applications such as credit cards, blister packaging, rapid deployment flood walls, and bags.</p>
PETG	<p>Polyethylene Terephthalate Glycol (PETG) PETG Bottles are resistant to gas, moisture, and heat, making them valuable in a variety of situations. It is considered the "improved" PET, providing extreme impact resistance. PETG has excellent gloss and clarity.</p>	<p>PETG:In addition to packaging, PETG's major uses are textiles, monofilament, carpet, strapping, films, and engineering moldings.</p>