

Plastics Identification Code

Type of Plastic	Properties Including Specific Gravity	Items made from Plastic Type	Applications: Recycled Grades MAJOR USE/Minor Use
 <p>PETE</p>	<p><i>Polyethylene Terephthalate</i> PET</p> <p>Clear, tough, solvent resistant. Used for rigid sheets and fibres. Softens: 85°C SG* = 1.38</p>	<p>Carbonated soft drink bottles, fruit juice bottles, pillow and sleeping bag filling, textile fibres</p>	<p>BEVERAGE BOTTLES Clothing, geo-textiles, bottles for detergents etc., laminated sheets, clear packaging film, carpet fibres</p>
 <p>HDPE</p>	<p><i>High Density Polyethylene</i> HDPE</p> <p>Hard to semi-flexible, waxy surface, opaque. Softens: 135°C SG = 0.96</p>	<p>Crinkly shopping bags, freezer bags, milk bottles, bleach bottles, buckets, rigid agricultural pipe, milk crates</p>	<p>FILM, BLOW MOULDED CONTAINERS Agricultural pipes, pallets, bins for compost and kerbside collections, extruded sheet, crates, garden edging, household bags, oil containers, pallets</p>
 <p>PVC</p>	<p><i>Unplasticised Polyvinyl Chloride</i> UPVC</p> <p>Hard rigid, can be clear, can be solvent welded Softens: 70-100° C SG = 1.40</p>	<p>Electrical conduit, plumbing pipes and fittings, blister packs, clear cordial and fruit juice bottles</p>	<p>PIPE, FLOORING Pipe and hose fittings, garden hose, electrical conduit, shoes, road cone bases, drainage pipes, electrical conduit and ducting, detergent bottles</p>
	<p><i>Plasticised Polyvinyl Chloride</i> UPVC</p> <p>Flexible, clear, elastic, can be solvent welded Softens: 70 - 100°C SG = 1.35</p>	<p>Garden hose, shoe soles, cable sheathing, blood bags and tubing, watch straps, rain wear</p>	
 <p>LDPE</p>	<p><i>Polyethylene</i> LDPE <i>Linear</i> LDPE</p> <p>Soft, flexible, waxy surface translucent, withstands solvents Softens: 115° C SG = 0.92</p>	<p>Garbage bags, squeeze bottles, black irrigation tube, silage and mulch films, garbage bins</p>	<p>FILMS: BUILDERS, CONCRETE LINING AND BAGS Agricultural pipe, nursery & other films</p>

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 <p>5 PP</p>	<p><i>Polypropylene</i> PP</p>	<p>Hard, flexible, translucent (can be transparent). Wide property range for many applications, good chemical resistance. Softens: 165° C SG = 0.90</p>	<p>Film, carpet fibre, appliances, automotive, toys, housewares, crates, palls, bottles, caps and closures, furniture, rigid packaging</p>	<p>CRATES, BOXES, PLANT POTS Compost bins, garden edging, irrigation fittings, building panels</p>
 <p>6 PS</p>	<p><i>Polystyrene</i> PS</p>	<p>Clear, glassy, rigid, brittle, opaque semi tough, melts at 95° C. Affected by fats and solvents Softens: 90° C SG = 1.06</p>	<p>Refrigerator bins & crispers, stationery accessories, coat hangers, medical disposables. Meat & poultry trays, yoghurt & dairy containers, vending cups</p>	<p>INDUSTRIAL PACKAGING, COAT HANGERS, CONCRETE REINFORCING CHAIRS Moulded products, coat hangers, office accessories, spools, rulers, video cases and printer cartridges</p>
	<p><i>Expanded Polystyrene</i> EPS</p>	<p>Foamed, light weight, energy absorbing, heat insulating Softens: 90° C SG = 0.90 – 0.93</p>	<p>Drinking cups, meat trays, clamshells, panel insulation, produce boxes, protective packaging for fragile items</p>	<p>SYNTHETIC TIMBER Picture frame mouldings, under slab void pods for buildings</p>
 <p>7 OTHER</p>	<p><i>Other: Includes all other resins and multi materials including acrylonitrile butadiene styrene (ABS), acrylic, nylon, polyurethane (PU), polycarbonates (PC) and phenolics</i></p>	<p>Automotive, aircraft and boating, furniture, electrical and medical parts</p>	<p>AGRICULTURAL PIPING Furniture fittings, wheels and castors. Fence posts, pallets, outdoor furniture and marine structures.</p>	

* Information reproduced from Plastics Identification Code Brochure provided by: CLAW Environmental, REPSA, PACIA