
















# Recycling codes

**Recycling codes** are used to identify the material from which an item is made, to facilitate easier recycling or other reprocessing. Such symbols have been defined for batteries, biomatter/organic material, glass, metals, paper, and plastics.<sup>[*citation needed*]</sup>

| Symbol  | Code               | Description                     | Examples   |
|---|--------------------|---------------------------------|--|
| Plastics (see resin identification code <sup>[1]</sup> )                            |                    |                                 |  |
|    | #1 PET(E)          | Polyethylene terephthalate      | Polyester fibers, soft drink bottles   |
|    | #2 PEHD or HDPE    | High-density polyethylene       | Plastic bottles, plastic bags, trash cans, imitation wood  |
|    | #3 PVC             | Polyvinyl chloride              | Window frames, bottles for chemicals, flooring, plumbing pipes   |
|    | #4 PELD or LDPE    | Low-density polyethylene        | Plastic bags, buckets, soap dispenser bottles, plastic tubes   |
|    | #5 PP              | Polypropylene                   | Bumpers, car interior trim, industrial fibers, carry-out beverage cups   |
|   | #6 PS              | Polystyrene                     | Toys, flower pots, video cassettes, ashtrays, trunks, beverage/food coolers, beer cups, carry-out food containers, Styrofoam |
|  | #7 O (OTHER)       | All other plastics              | Polycarbonate (PC), polyamide (PLA), styrene acrylonitrile (SAN), acrylic plastics/polyacrylonitrile (PAN), bioplastics      |
|  | #9 or #ABS         | Acrylonitrile butadiene styrene | Monitor/TV cases, coffee makers, cell phones, most computer plastic  |
| Batteries (see also battery recycling)  |                    |                                 |  |
|   | #8 Lead            | Lead–acid battery               | Car batteries  |
|   | #9 or #19 Alkaline | Alkaline battery                |  |
|   | #10 NiCD           | Nickel–cadmium battery          |  |
|   | #11 NiMH           | Nickel–metal hydride battery    |  |
|   | #12 Li             | Lithium battery                 |  |
|   | #13 SO(Z)          | Silver-oxide battery            |  |
|   | #14 CZ             | Zinc–carbon battery             |  |
| Paper   |                    |                                 |  |
|  | #20 C PAP (PCB)    | Cardboard                       |  |
|  | #21 PAP            | Other paper                     | Mixed paper magazines, mail  |
|  | #22 PAP            | Paper                           |  |
|   | #23 PBD (PPB)      | Paperboard                      | Greeting cards, frozen food boxes, book covers   |
| Metals  |                    |                                 |  |

|   |                            |   |   |
|---|----------------------------|---|---|
|    | #40 FE                     | Steel   |   |
|    | #41 ALU                    | Aluminium                                     |   |
| Biomatter/Organic material  |                            |   |   |
|    | #50 FOR                    | Wood  |   |
|    | #51 FOR                    | Cork  | Bottle stoppers, place mats, construction material  |
|    | #60 COT                    | Cotton  |   |
|    | #61 TEX                    | Jute  |   |
|   | #62-69 TEX                 | Other Textiles                                |   |
| Glass   |                            |   |   |
|    | #70 GLS                    | Mixed Glass<br>Container/Multi-Part Container |   |
|   | #71 GLS                    | Clear Glass                                   |   |
|  | #72 GLS                    | Green Glass                                   |   |
|   | #73 GLS                    | Dark Sort Glass                               |   |
|   | #74 GLS                    | Light Sort Glass                              |   |
|   | #75 GLS                    | Light Leaded Glass                            | Televisions, high-end electronics display glass   |
|   | #76 GLS                    | Leaded Glass                                  | Older televisions, ash trays, older beverage holders  |
|   | #77 GLS                    | Copper Mixed/Copper Backed<br>Glass           | Electronics, LCD Display heads, Clocks/Watches  |
|   | #78 GLS                    | Silver Mixed/Silver Backed<br>Glass           | Mirrors, formal table settings  |
|   | #79 GLS                    | Gold Mixed/Gold Backed<br>Glass               | Computer glass, formal table settings   |
| Composites  |                            |   |   |
|   | #81 PapPet                 | Paper + plastic                               | consumer packaging, pet food bags, cold store grocery bags, Icecream containers, cardboard cans, disposable plates  |
|  | #84 C/PAP (or<br>PapAl)    | Paper and cardboard / Plastic /<br>Aluminium  | liquid storage containers, juice boxes, cardboard cans, Cigarette pack liners, gum wrappers, cartage shells for blanks, fireworks colouring material, Tetra Brik. |
|   | #87 Card-stock<br>Laminate | Biodegradable plastic                         | laminating material, special occasion cards, bookmarks, business cards, flyers/advertising  |

## References

[1] Plastic Packaging Resins (<http://plastics.americanchemistry.com/Plastic-Resin-Codes-PDF>) American Chemistry Council

## External links

- Christie Engineering Standard – Packaging Labeling and Design for Environment Guidelines ([http://www.christiedigital.com/Documents/Supplier Documentation/Packaging-Spec-010-101136-02.pdf](http://www.christiedigital.com/Documents/Supplier%20Documentation/Packaging-Spec-010-101136-02.pdf)) Includes lists of material codes in several countries.
- Packaging Ordinance Germany ([http://www.bmu.de/files/english/pdf/application/pdf/verpackv\\_3aenderung\\_en.pdf](http://www.bmu.de/files/english/pdf/application/pdf/verpackv_3aenderung_en.pdf)) Includes lists of material codes in Germany.

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