

Annex Notes

ANNEX NOTE 1.1

List of Plastic Products

HS 2002 Code	Name	Description
39	Name: Plastics and articles thereof	Plastics and articles thereof
3901	Polymers of ethylene, in primary forms.	Polymers of ethylene, in primary forms.
3902	Polymers of propylene or of other olefins, in primary forms.	Polymers of propylene or of other olefins, in primary forms.
3903	Polymers of styrene, in primary forms.	Polymers of styrene, in primary forms.
3904	Polymers of vinyl chloride or of other halogenated olefins, in primary form...	Polymers of vinyl chloride or of other halogenated olefins, in primary forms.
3905	Polymers of vinyl acetate or of other vinyl esters, in primary forms	Polymers of vinyl acetate or of other vinyl esters, in primary forms; other vinyl polymers in primary forms.
3906	Acrylic polymers in primary forms.	Acrylic polymers in primary forms.
3907	Polyacetals, other polyethers and epoxide resins, in primary forms	Polyacetals, other polyethers and epoxide resins, in primary forms; polycarbonates, alkyd resins, polyallyl esters and other polyesters, in primary forms.
3908	Polyamides in primary forms.	Polyamides in primary forms.
3909	Amino-resins, phenolic resins and polyurethanes, in primary forms.	Amino-resins, phenolic resins and polyurethanes, in primary forms.
3910	Silicones in primary forms.	Silicones in primary forms.
3911	Petroleum resins, coumarone-indene resins, polyterpenes	Petroleum resins, coumarone-indene resins, polyterpenes, polysulphides, polysulphones
3912	Cellulose and its chemical derivatives	Cellulose and its chemical derivatives, not elsewhere specified or included, in primary forms.
3913	Natural polymers and modified natural polymers	Natural polymers (for example, alginic acid) and modified natural polymers (for example, hardened proteins, chemical derivatives of natural rubber), not elsewhere specified or included, in primary forms.
3914	Ion-exchangers based on polymers of headings 39.01 to 39.13, in primary for...	Ion-exchangers based on polymers of headings 39.01 to 39.13, in primary forms.

HS 2002 Code	Name	Description
3915	Waste, parings and scrap, of plastics.	Waste, parings and scrap, of plastics.
3916	Monofilament of which any cross-sectional dimension exceeds 1 mm	Monofilament of which any cross-sectional dimension exceeds 1 mm, rods, sticks and profile shapes, whether or not surface-worked but not otherwise worked, of plastics.
3917	Tubes, pipes and hoses, and fittings therefore	Tubes, pipes and hoses, and fittings therefore (for example, joints, elbows, flanges), of plastics.
3918	Floor coverings of plastics in rolls	Floor coverings of plastics, whether or not self-adhesive, in rolls or in the form of tiles; wall or ceiling coverings of plastics, as defined in Note 9 to this Chapter.
3919	Self-adhesive plates, sheets, film, foil, tape, strip and other flat shapes...	Self-adhesive plates, sheets, film, foil, tape, strip and other flat shapes, of plastics, whether or not in rolls.
3920	Other plates, sheets, film, foil and strip, of plastics	Other plates, sheets, film, foil and strip, of plastics, non-cellular and not reinforced, laminated, supported or similarly combined with other materials.
3921	Other plates, sheets, film, foil and strip, of plastics	Other plates, sheets, film, foil and strip, of plastics.
3922	Baths, shower-baths, sinks, wash-basins, bidets, lavatory pans	Baths, shower-baths, sinks, wash-basins, bidets, lavatory pans, seats and covers, flushing cisterns and similar sanitary ware, of plastics.
3923	Articles for the conveyance or packing of goods, of plastics	Articles for the conveyance or packing of goods, of plastics; stoppers, lids, caps and other closures, of plastics.
3924	Tableware, kitchenware, other household articles and toilet articles, of pl...	Tableware, kitchenware, other household articles and toilet articles, of plastics.
3925	Builders' ware of plastics, not elsewhere specified or included.	Builders' ware of plastics not elsewhere specified or included.
3926	Other articles of plastics and articles of other materials of headings 39.0...	Other articles of plastics and articles of other materials of headings 39.01 to 39.14.

Source: UNCOMTRADE (2009).

ANNEX NOTE 1.2

Types of Manufacturers in the Global Plastics Industry

Types	Operational Process	Products Type
1. Thermo Formers	Plastic sheet is heated to a pliable forming temperature, formed to a specific shape in a mould, and trimmed to create a usable product	<p><i>Thin-gauge thermoforming:</i> disposable cups, containers, lids, trays, blisters, clamshells, and other products used as food carriers or medical appliances</p> <p><i>Thick-gauge thermoforming:</i> vehicle doors and dash panels, refrigerator liners, utility vehicle beds and plastic pallets</p>
2. Injection Moulders	Material is fed into a heated barrel, mixed and forced into a mould cavity where it cools and hardens to the configuration of the mould cavity	Milk cartons, packaging, bottle caps, automotive dashboards, pocket combs, consumer products, toys, plumbing, packaging and construction materials <i>etc.</i>
3. Pipe, Profile and Tubing Extruders	High volume manufacturing process in which raw plastic material is melted and formed into a continuous profile	Tubes, pipes, rods, rails <i>etc.</i>
4. Rotational Moulders	A high-temperature, low-pressure plastic-forming process that uses heat and biaxial rotation (i.e., rotation on two axes) to produce hollow, one-piece parts	Storage tanks, bins and refuse containers, doll parts, road cones, footballs, helmets, kayak hulls <i>etc.</i>
5. Film and Sheet Manufacturers	Manufacture of film and sheets through a controlled extrusion process	Trash bags, stretch films, packaging materials <i>etc.</i>
6. Blow Moulders	Manufacturing process by which hollow plastic parts are formed. Three main types of blow moulding are extrusion blow moulding (EBM), injection blow moulding (IBM), and stretch blow moulding (SBM)	<p>EBM: dairy containers, hoses/pipes</p> <p>IBM: medicine containers</p> <p>SBM: pet bottles</p>

Source: Compiled from PlasticsNews.com 2009.