



## What is PS?

Polystyrene is a versatile plastic used to make a wide variety of consumer products. It is used as a hard, hard plastic for products that require clarity such as food packaging and laboratory materials. When combined with various colors, additives or other plastics, it is used to make polystyrene appliances, electronic products, car parts, toys, garden pots and equipment, and more. Polystyrene is also made into a foam material which is known as expansion polystyrene (EPS) or extruded polystyrene (XPS), which is valuable for insulation and cushioning properties. Foam polystyrene may be more than 95 percent air and is widely used to make home and appliance insulation, light protective packaging, surfboards, food service and food packaging, auto parts, road and roadside stabilization systems and more.

## Usage areas

It is used to make many automobile parts such as polystyrene (solid and foam), knobs, instrument panels, flooring, energy absorbing door panels and sound damping foam. Foam polystyrene is also widely used in child safety seats. Polystyrene is used for residential, television, computer and any IT equipment where a combination of form, function and aesthetics is required. Polystyrene food service typically insulates packaging better, keeps food fresh for longer, and costs less than alternatives. Lightweight polystyrene foam provides excellent thermal insulation in many applications, such as building walls and roofs, refrigerators and freezers and industrial cold stores. Polystyrene insulation is ineffective, durable and resistant to water damage. Due to its clarity and ease of sterilization, it is used for a wide range of medical applications including polystyrene, tissue culture trays, test tubes, petri dishes, diagnostic components, test kits and nests for medical devices. Polystyrene (solid and foam) is widely used to protect consumer products. CD and DVD cases are made with foam packing peanuts, food packaging, meat / poultry trays, and egg cartons for transport, usually with polystyrene to protect against damage or deterioration.



PS1



PS2



PS3



PS4