








# Visual Properties

Type		name	properties	common uses	burning
PET		polyethylene terephthalate	clear, tough, solvent resistant, barrier to gas and moisture, softens at 80°	Soft drink, water bottles, salad domes, bisquit trays, food containers	yellow flame little smoke
HDPE		high-density polyethylene	Hard to semi-flexible, resistant to chemicals and moisture, waxy surface, softens at 75°	Shopping bags, freezer bags, milk bottles, juice bottles, icecream containers, shampoo, crates	difficult to ignite smells like candle
PVC		polyvinyl chloride	Strong, tough, can be clear and solvent, softens at 60°	Cosmetic containers, electrical conduit, plumbing pipes, blister packs, roof sheeting, garden hose	yellow flame green spurts
LDPE		low-density polyethylene	Soft, flexible, waxy surface, scratches easily, softens at 70°	Cling wrap, garbage bags, squeeze bottles, refuse bags, mulch film	difficult to ignite smells like candle
PP		polypropylene	Hard but still flexible, waxy surface, translucent, withstands solvents, softens at 140°	Bottles, icecream tubes, straws, flower-pots, dishes, garden furniture, food containers	blue yellow tipped flame
PS		polystyrene	Clear, glassy, opaque, semi tough, softens at 95°	CD cases, plastic cutlery, imitation glass, foamed meat trays, brittle toys,	dense smoke
OTHER		all other plastics	Properties depend on the type of plastic	automotive, electronics, packaging	all other plastics