

kesrec²

Plastics sorting guide
2026



Pressure pipe

HDPE, PE80, PEH

Colour

- Black
- Black with a blue or brown stripe

Shape

- Smooth surface
- Closed wall structure
- Large sizes as straight, smaller sizes coiled or curved

Marking

- HDPE, PE100, PE80 tai PEH



Spiro pipe

(can be sorted together with pressure pipes)

Structure

- Spiral
- Heavy
- Usually large sizes (diameter over 600 mm)



Corrugated pipe

HDPE/PP, SUITABLE FOR BLOW MOLDING

Colour

- Black outer surface
- The inside can be black, blue or white

Shape

- Corrugated outer surface
- Usually a smooth inner surface



Injection moulding

Grade HDPE, Containers, boxes and box-like receptacles

Colour

- Any colour

Shape

- Box-like structure
- One of the sides always open



Excluding fibreglass



Blow moulding

Grade HDPE, Cans, IBCs, drums

Colour

- Any colour

Shape

- Solid
- Closed structure



Not oil cans



Identification of plastics by burning

Name	Abbreviation	Burning qualities	Combustion test Appearance of the flame	Odour of the smoke	Material change
polyethylene	PE	sustains the fire	light yellow, blue in the centre	styrene or paraffin	swells and drips
polyamide	PA	partly self-extinguishing	blue, yellow edge	burning bone or wool	melts and drips strongly
polyacetal	POM	sustains the fire	bluish, almost invisible	acid ammonia	swells, may drip
polyethylene terephthalate	PET	self-extinguishing	yellow, smoky	sweet	black ash
polypropylene	PP	sustains the fire	light yellow, blue in the centre	burnt oil	swells and drips easily
polyvinylidene fluoride	PVDF	difficult to ignite	yellow	very dangerous to breathe	chars
polytetrafluoroethylene	PTFE	difficult to ignite	yellow	very dangerous to breathe	swells and chars
polycarbonate	PC	self-extinguishing	clear with smoke	very sweet	bubbles and chars
polyvinyl chloride	PVC	self-extinguishing	yellowish green	acid hydrochloric acid	swells and drips easily
acrylic (extruded)	PMMA	self-igniting	yellow, blue stripe	sweet	bubbles, may drip
acrylic (cast)	PMMA	self-igniting	yellow, blue stripe, crackles	sweet	bubbles, may drip
polystyrene	PS	self-igniting	bright, yellowish red, smoking soot particles	sweet	swells and drips
acrylonitrile butadiene styrene	ABS	burns poorly	yellow, blue in the centre, smoking soot particles	slightly sweet	swells and chars a little
polyurethane	PUR	self-igniting	bright yellow	acid, unpleasant	may drip



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