

Plastic card sort

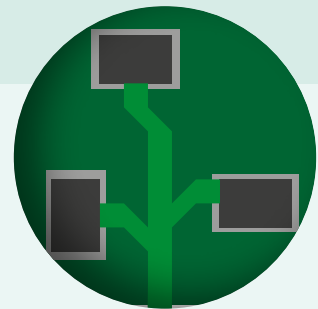


Thermosetting plastic or thermoplastic?

Cut out and arrange these cards into 2 categories:

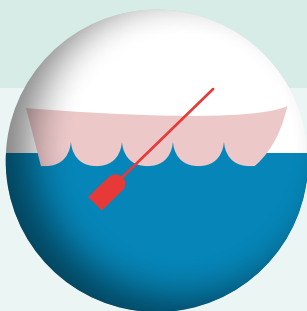
thermosetting plastics

thermoplastics



**Epoxy resin
(ER)**

This is used to make circuit boards because it is good insulator of electricity. Very Hard and brittle.



**Polyester resin
(PR)**

Used to make the bodies of fast cars and boats. This is very stiff and brittle.



**Polyamide
(Nylon)**

This is used to make clothes. It is hard wearing but flexible.



**Phenol formaldehyde
(PF)**

This is used in appliance fittings, such as handles of pans. Very hard.





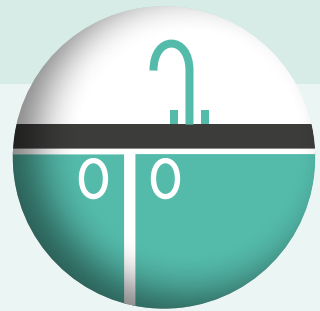
**Polyethylene
(PET)**

Most used plastic. This material makes bags and bottles. It is light weight and easily recyclable.



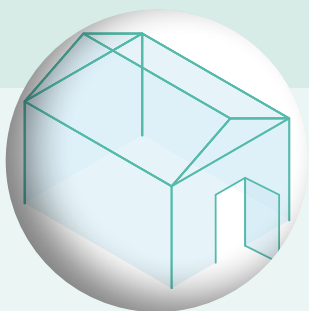
**Polypropylene
(PP)**

Second most commonly used plastic. Used to make packaging. Light weight and flexible.



**Polycarbonate
(PC)**

This is used to make kitchen work surfaces. Very strong and hard.



**Melamine Formaldehyde
(PR)**

This material makes greenhouses. It is high impact resistant and transparent. Unusually strong for the group of plastics which it belongs to.



**Urea Formaldehyde
(UF)**

This is used to make electrical components because it is a good insulator. Very hard and brittle.



**High Impact Polystyrene
(HIP)**

This material makes sale signs and trays. Very rigid and strong for the group of plastics which it belongs.

