

POLYMORPH



General Description:

It is a thermoplastic that become soft when heated and hard when cooled. The transition temperature is very low, just around 60°C .You can simply heat the pellets in hot water or with a hair dryer. When it is softened, you can mould it into any shape just by twisting and bending the material. After that, just leave it at room temperature for several hours. When fully cooled, it hardens as Nylon. It can be drilled, sanded, machined or reheated again and again. It is ideal for prototyping.



Initial stage
(pellet form)

Heated at 60 - 70 deg C



Pellets melt &
softened

Cooled at room temperature



It hardens and turns
in white; Surely,
before it is fully
hardened, you can
twist or bend it into
different shapes

Polymorph thermoplastic is perfect for:

- DIY repairs
 - Model making
 - Prototyping
 - Making your own shapes
 - Enhancement, eg. handle grips
 - Experimenting with
 - Educational uses
- And many more uses.....

- Polymorph is a thermoplastic with a low melting point of around 60 degrees Celsius.
- Simply place some pellets into hot water (above 60°C) and they will begin to melt.
- Taking safety precautions, remove the melted pellets from the hot water.
- The plastic will be soft and easily moulded with your hands into any shape.
- The polymorph hardens slowly and is similar in both aesthetics and strength to nylon plastic and can be sawn, drilled, and cut if required for finishing.
- Polymorph can be placed back into hot water to be melted again for re-use.
- The material is non hazardous and fully biodegradable.