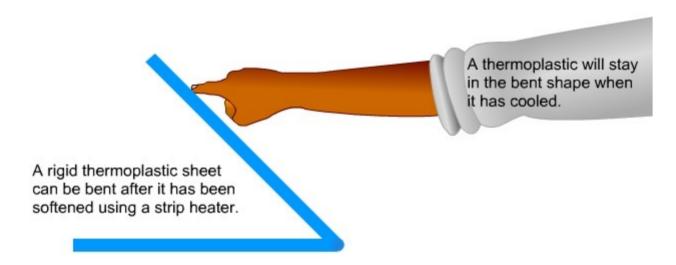
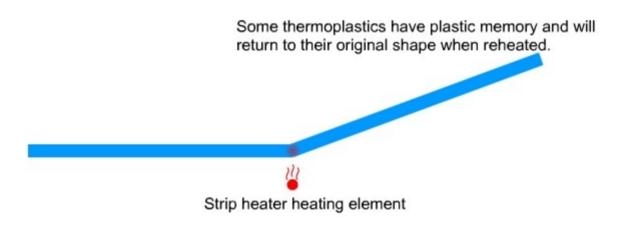
Plastic Memory

A thermoplastics is a plastic that softens when it is heated. A heated and softened thermoplastic can be bent, twisted and stretched.

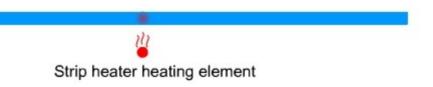
If the thermoplastic is held in its bent, twisted or stretched form until it is cool, it will stay in that form.



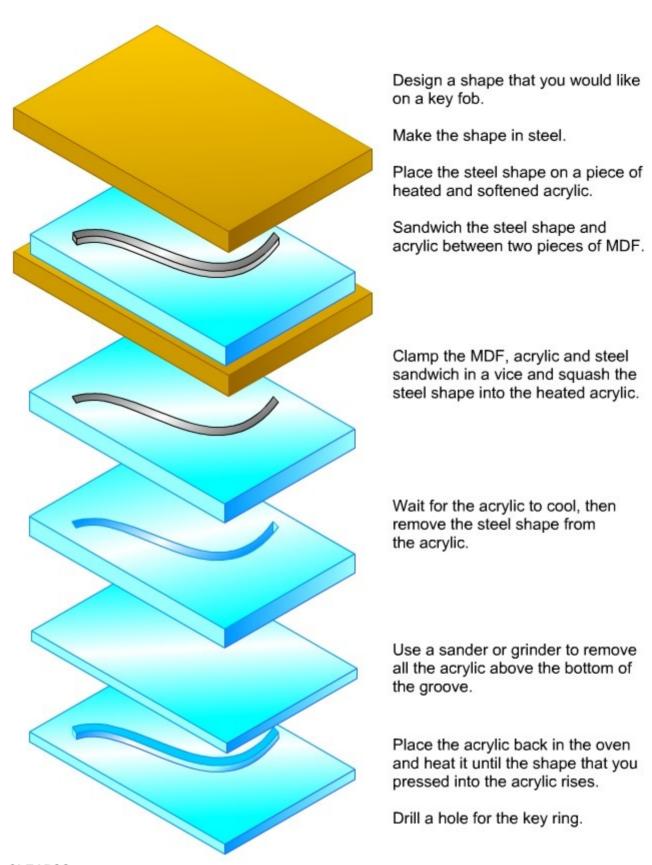
Some thermoplastics, including acrylics, exhibit "plastic memory", i.e. a deformed thermoplastic with plastic memory will return to its original shape when reheated, as long as it had not been overheated prior to bending/deforming or during reheating



A deformed thermoplastic sheet should be heated until the sheet returns to its original shape without it being forced. When the sheet is perfectly flat again, it should be removed from the heat to prevent the plastic from overheating and melting.



Using Plastic Memory To Make A Key Fob



CLEAPSS

Please refer to CLEAPSS, Model Risk Assessments for Design and Technology in Secondary Schools and Colleges, Part 1.053 COSHH Regulations.