

Polyurethane is wonderfully diverse, we are able to mix different materials to create the exact feel you want from your product. The materials range in Shore hardness, which define whether the material is flexible (Shore A) or rigid (Shore D). We can create a wide range, where 10A is soft like skin and 90A is hard like thick rubber then switch to a Shore D grade material that is like a firm plastic i.e.. plastic lunch box or tool box. This means we can show you what your end product will look like and feel like before you move on to an injection moulding or production line stage. By fabricating first in PU you can reduce costs before going to of mass production.

PU parts are cast in silicone moulds, which takes a little while longer than SLA, SLS or FDM.

However the silicone mould process means it's much more cost effective for larger quantities (>10 units cast from the mould). Polyurethane parts from the silicone moulds are also much stronger than any other method of prototyping, if you're needing to put a prototype through wear and tear testing, you may be better off going for our PU part production.

