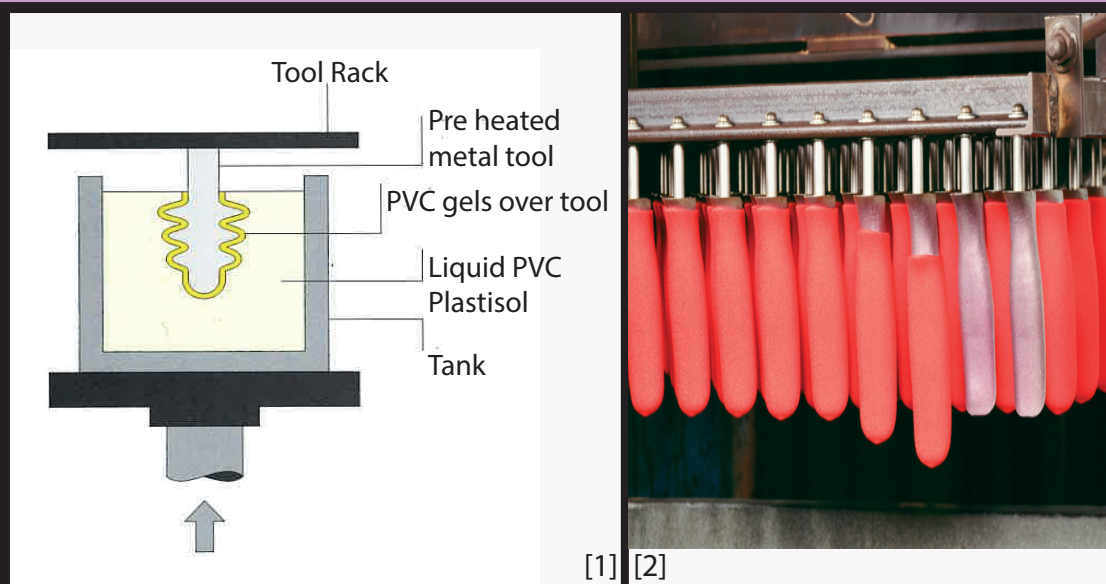


Dip Moulding



Volume

Production ranges from batch to high-volume mass-production.

Cost

As the cycle time is rapid which uses multiple tools and machines, the tooling/production costs are very low. Also, the labour cost are moderate.

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Speed (Cycle Time)

Manual



5-6 minuets

Automated



1-2 minuets

General rapid cycle times

Post-Processing

Due the way Dip Moulding works, the there are few post-processes that are needed. However, slight cutting of excess material and applying a finish (polish) can be/is used.

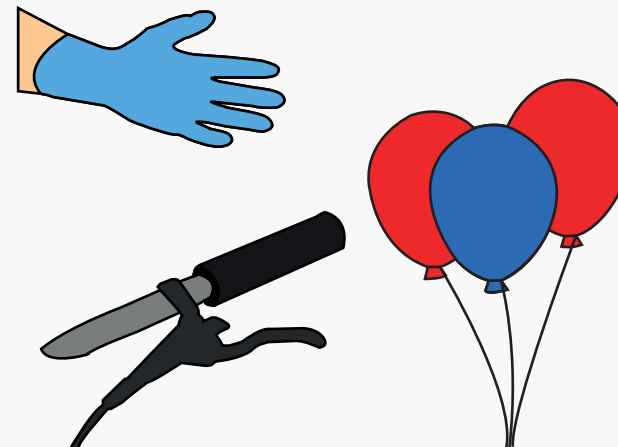
Dip Moulding is the manufacturing process where a mould that represents the shape of the desired end product is dipped into a material that has been heated to a liquid form. It is one of the cheapest and most simple techniques in terms of tools, moulds and the production of plastic products. The steps involved with dip moulding include; preheating the mould, dipping the mould into molten plastic, curing the dipped product, cooling in water, finally blowing the end product off the mould.

Materials used

The most common material choice for dip moulding is Plastisol (a suspension of PVC). However there a several other materials that can be used, these include; Nylon, Silicone, latex and Urathene.

Examples of Products/ Applications

There are a wide variety of industries that use this process; automotive, mining, marine, medical, aerospace, electrical, and promotion and marketing. There are a range from flexible to semi-rigid products, include; kitchen, surgical/rubber gloves, balloons, condoms, and soft, plastic waxy handle bar grips.



Suppliers



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sales@runfoldplastics.co.uk

01428 752230



loven-sp.com
sales@loven-sp.co.uk
01843 598664

plasticmouldings.com
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01294 278091

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