

Plastic Dip Molding & Coating

The Process

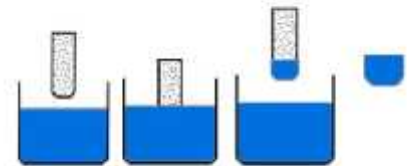


Plastic Dipping - Molding

Dip coating can be easily related to food processing. For example, chocolate and/or caramel are often coated on many nuts, cookies, and etc. Dip molding and coating were widely used even before plastic materials were invented. In this context, however, the scope of discussion is limited to plastic manufacturing processes.

Dip molding is a plastic manufacturing process where a heated metal mold (usually aluminum) is immersed in a tank of plastic referred to as plastisol. The plastic is coated/formed around the mold.

The hotter the mold and the longer the dip, (in the plastic) the thicker the coating.



These can have varying limits depending on the material used and the thickness of the mold.

The mold is then with-drawn from the plastisol and goes through a curing (heated) stage and then cooling process. The molded part is then taken off the mold and then packaged.

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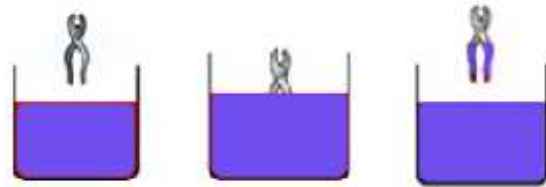


The part may need to be dipped more than once to achieve the desired thickness. An example of dip molded handles are seen here. Vinyl insulated handles for a specialized paint sprayer so the painters hand does not burn.



Plastic Dipping - Coatings

Dip coating is very similar to the dip molding process except that instead of using a mold an actual part is coated with the desired plastic material. The plastic coating provides a protecting layer as well as a better-looking finish.



**All materials
are formed
to your needs.**

**Your products
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“*smart look*”**

**that will get
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noticed!**

Multi dipping can be used when two or more different type of materials or colors are needed for a single product. There are many varieties of materials with assorted properties, finishes, and etc.



PVC materials are very versatile it could have a matte or textured finish or it can have a fluorescent or metallic looks and even simulate the look and feel of suede or leather.

Plastisol is the most dipped molding & coating material. It is a mixture of suspended plastic particles (usually PVC) dispersed in a plasticizer.

Plastic is a liquid, but once heated, the two components fuse into a vinyl, never to liquify again. Plastisol can be formulated to produce a feel and look that will get your product noticed.

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