

Plastic Medical Device Compatibility and Selecting Materials:

Making a New Medical Device or Product? Plastic part compatibility and selecting materials are just as important as shelf life stability, product performance and FDA compliance. Make sure the materials are compatible, Ask the experts at Associated Polymer Labs.

- Compatibility among plastic medical devices
- Plastic material selection for medical devices
- Plastic material compatibility and selection for medical devices

One of the first fundamental steps in new product development is feasibility. When studying the products' feasibility, it is necessary to study material compatibility and review the selection of materials. Most medical devices contain many parts or components that are integrated together. The most common methods for bonding are as follows:

- Co-molded
- Co-extruded
- Coatings
- Ultra violet light polymerization
- Photo polymerization
- Hot melt adhesive
- Solvent adhesive
- Co-adhesive
- Mechanically fitted parts

Performing simple studies proves feasibility at the beginning of any product development project. Feasibility studies can make the difference between a successful product launch, and canceling the project after years of hard work.

Associated Polymer Labs solves many problems that clients have while developing new medical devices. Making material selections is a difficult process. Knowing the materials compatibility will save your company money by making the proper changes in the beginning of the project, instead of when it's too late.

When performing the Product Feasibility Step, have Associated Polymer Labs check the materials selection for compatibility. Why risk a major recall or project cancellation? Make the First Step Count.