

Pro/ENGINEER Plastic Advisor

Pro/ENGINEER Plastic Advisor simulates mold filling for injection molded plastic parts. Advanced features provide valuable manufacturability insight – insight that can significantly reduce late-cycle design changes and mold reengineering costs.

Plastics manufacturing expertise for injection mold designers

As an extension to Pro/ENGINEER-Foundation, Pro/ENGINEER Plastic Advisor provides plastic part designers with immediate and easy access to reliable and easy-to-understand manufacturing feedback and advice. Designed to evaluate every design change — not just every design — for injection molding manufacturability, Plastic Advisor is the ideal cost and time saving tool for industries involved in plastic mold designs. Designers simply select the material type and proposed gate locations and Pro/ENGINEER Plastic Advisor provides on-screen animations of the mold filling, plots describing the "moldability" of the design, and the locations of potential problem areas such as weld lines and air traps.

Capabilities

Simplifies simulations

Pro/ENGINEER Plastic Advisor makes it possible to do more simulations in less time because achieving accurate flow simulation does not require the creation of time-consuming and difficult mid-plane geometry from complex solid models.



Focuses designer's knowledge and needs

Pro/ENGINEER Plastic Advisor eliminates the need for expert plastics processing knowledge by providing a fully defined library for common plastic materials, automatic selection of typical injection-molding machine parameters, and simplified output plots that answer questions like, "Where will the weld lines be?"

Provides practical manufacturing advice

Pro/ENGINEER Plastic Advisor delivers much more than filling results; it provides practical manufacturing insight that guides designers to a better design. Need to know if a mold will fill with a certain thickness wall? Ask the online adviser. View design change suggestions that may include thicker walls, more or different gate locations, or a different material. Want to know how to avoid the weld lines? Click on the weld-lines shown and receive a description of what they are and how to avoid or move them.