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Abstract
Due to the notebook developing is very rapidly at Taiwan in recent year. Taiwan is already the highest occupation rate of global market in notebook. The future trend develops in notebooks design should focus on both the light weight and outside cover sturdiness. So the study uses the Nylon-6/clay composite material and ABS/PC material as product material. The material is not only shock-resistant , but also shows high glossiness after forming .The material is suitable for manufacturing the outside shell of 3C product .
The research utilizes the moldflow software to analyze the outside shell of notebook. Using Tachuchi method aimed at injection, packing and cooling conditions in the process of injection molding on notebook. It is important to find out the optimal parameter in the process. It is considered as a reference in the process injection molding on the thin shell for notebook. It can promote the good rate of product quality the life cycle and production competitiveness.
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