
方形罩壳的注塑模具的设计

摘 要

本次毕业设计主要是方形罩壳的注塑模具的设计。通过分析测量产品，同时了解了塑件的质量和锁模力。以及对排位和注塑设备进行了选择使用什么型号的，用相关的三维软件进行建模。然后通过建模和计算，对一些功能部件进行了设计：比如动定模和浇口，流道和定位圈以及凹凸模的设计和计算。

经过分析计算完成型腔型芯和侧面抽芯、动定模底座和模板、以及推杆固定板、推杆和模架的设计，再考虑导出机构和排气系统和冷却系统设计。然后进行选择并校核注射机的型号参数，完善装配图模具及零件加工图的各个系统。最后通过完成设计和汇总设计过程，完成整体的设计并整理出计算说明书。

关键词： 注塑；方形罩壳；建模

Abstract

This graduation project is mainly the injection mold arrangement of the square cover. Because the product has been analyzed and measured before, and the quality of the plastic part and the clamping force have been understood at the same time. As well as positioning and choosing what kind of injection equipment to choose, use the relevant 3D software for modeling. In this way, we can complete a lot of modeling and calculation as well as the design of some functional components in 3D CAD modeling, such as dynamic fixed mold and gate, runner and locating ring. So how can we design the cavity core and side core pulling? Is the dynamic fixed mold base and template, push rod fixed plate, push rod and mold base standard? Is the design of the export mechanism, exhaust system and cooling system reasonable? Then we can design the injection machine check, assembly drawing mold and parts processing drawing system. Finally, through the completion of the design and summary of the design process, you

Key words: injection molding; square shell; modeling

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