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Abstract
This study concerns in designing and analyzing process, includes designing product, finding and modifying the unreasonable structure features, meshing the part in CAE environment for analysis calculating, analyzing the gate location and finding the suitable position for it. Feeding system (sprue, runner, gates) be designed with appropriate dimensions. Coolant passages chosen with initial calculations of shape and sizes, plastic material and machine characteristics compromised among technique and economic demands to choose suitably. Some kinds of analysis such as molding window analysis, DOE analysis, optimizing analysis… to find suitable processing parameters, predict the corresponding results and errors may be happened on the product. The part built in this study called “Driving Force Game Box Cover”. It built in Solid works and NX3 software then it was converted in to MPI 4.1 to do the analyzing process.
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