



QUANTITATIVE METHOD FOR CHARACTERIZING FLOW MARK IN PP COMPOSITES

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The purpose of this study is to clarify a mechanism of the flow mark that appears on the surface of PP composites injection moldings through the observation of the surface structure. The materials used were PP/rubber and PP/talc compounding, which were widely used for automobile part. The flow mark had two different constitutions, such as the high gloss part and the low gloss part, alternately on the both surface. It was obvious that the high gloss part has the smooth surface from the surface analysis of the article. We investigated the surface structure of PP/rubber and PP/talc blends by using SEM, OM. Also we investigated flow mark length percent and flow length by using Gloss meter. From these experiments, we suggested the quantitative method for characterizing the flow mark.