

In-Line Compounding on Injection Molding Machine for Reducing Cost and Improving Performance

Ali Mortazavi, Husky Injection Molding Systems Ltd.

Abstract

This paper introduces in-line compounding (ILC) process where raw materials including resin, glass and additives are directly compounded through a twin screw extruder directly on an injection molding machine. The benefits of Husky's ILC discontinuous process as well as importance of the hot runner are described. Examples of material mechanical properties, applications and economic case studies are provided.