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REVIEW

Statistical Process Control in Injection Molding and Extrusion

Chris Rauwendaal has produced a winning book that has found a prominent place on my bookshelf. Although solidly based on scientific processing principles and formal statistics, it is a thoroughly practical and very readable book.

There is a good balance between the overview of plastics processing (injection molding, extrusion technology, and the major types of plastics and their properties) and the presentation of statistical process control methods. Both topics are presented in clear and concise language and neither requires prior experience to be readily understood.

SPC (statistical process control) is intimidating to many because of the unfounded belief that formal training in statistics is required to understand or to use SPC tools. This book presents many SPC tools that can be successfully implemented by persons with just a basic education in mathematics.

This book will be equally valuable to practitioners in polymer processing who are seeking an understanding of SPC, and to quality professionals new to the field of polymer processing. Although the book is written for immediate practical application, it is not a superficial treatment; excellent literature references abound for those who wish to research any of the topics in greater depth.

Russell J. Nichols, PE
Vice President & Site Manager
Daicel Polymer Compounds Inc.