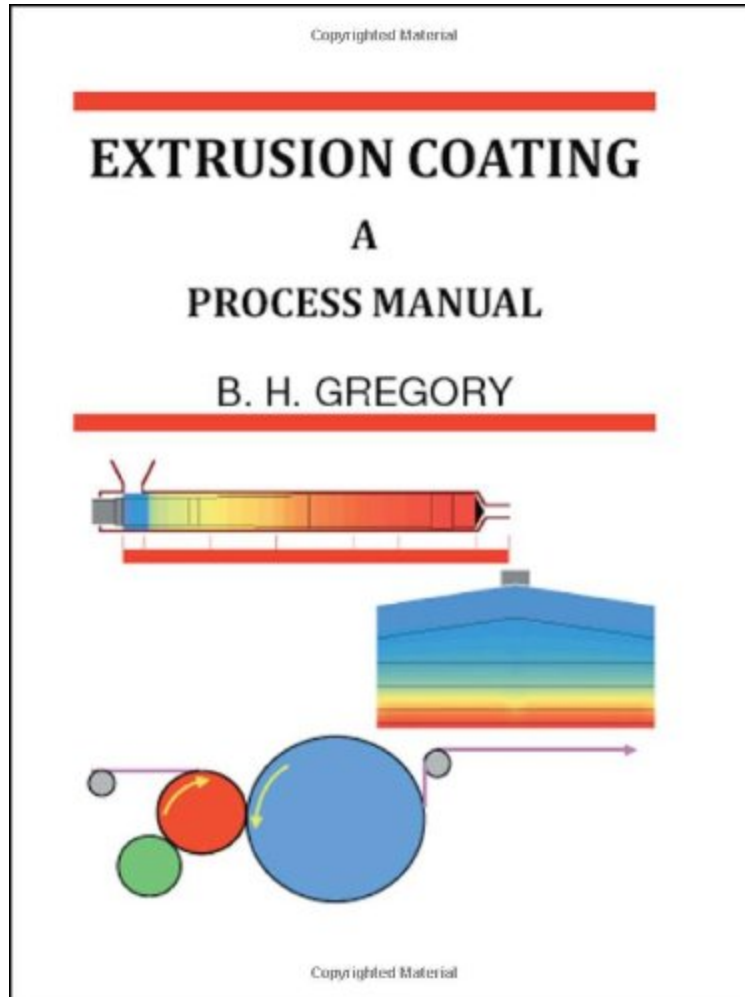


# Extrusion Coating: A Process Manual

B. H. Gregory

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**B. H. Gregory : Extrusion Coating: A Process Manual** before purchasing it in order to gage whether or not it would be worth my time, and all praised Extrusion Coating: A Process Manual:

0 of 0 people found the following review helpful. Five StarsBy alexandre alonsoVery good technical book.

This comprehensive study of extrusion coating technology describes in detail all aspects of this process by combining experimental data with computer modeling and the authors' thirty years of experience. This methodology provides deeper insight, clarity and assistance in problem solving for engineers and technologists engaged in this industry. The integration of experimental data with powerful PC software is a unique aspect which, facilitates the understanding of the complex interactions inherent to this process. This manual with its stand alone chapters has been highly successful both as a training tool and as a refresher course for more experienced personnel. Key Subjects: Optimizing extruder

and screw designs for coating machines. Melt distribution in T slot and coat hanger designs are compared. Optimizing chill roll design and the balancing of cooling temperature with machine output. Stretching and cooling of melts in air gaps: neck-in control. The impact and control of oxidation on adhesion with LDPE. Solving adhesion problems with copolymers and blends. The effects of stress and melt relaxation on adhesion are analyzed. Adhesion promotion methods are reviewed. Avoid coextrusion defects. Analysis of the effects of process and polymers on interlayer instabilities in coextrusion. Heat transfer in dual manifold and feedblock coextrusions are compared. A comprehensive range of polymers, copolymers, blends and substrates are evaluated. Insuring optimum performance in demanding applications such as, food packaging. Trouble shooting and equipment maintenance. This book includes countless graphs, tables and diagrams. No index.