



# Practical Guide to Flexible Polyurethane Foams

*By Chris Defonseka*

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## **Practical Guide to Flexible Polyurethane Foams** By Chris Defonseka

Polyurethanes are very versatile and exciting materials of the plastics family. Although there are many types, the flexible and viscoelastic foams have opened up vast possibilities as viable business ventures and expanding applications, and have established themselves as an essential part of daily life, replacing traditional materials over the years.

This book imparts a sound knowledge of flexible and viscoelastic polyurethane foams from their chemistry to calculations and formulating methodology for quality production. The author presents very valuable detailed information on foam manufacturing based on more than 40 years hands-on experience in the local and international situations. The detailed presentation of two manufacturing setups will greatly benefit entrepreneurs, medium-volume producers and large-volume manufacturers. For entrepreneurs, the innovative low-cost startup, high-profit, tried and tested methods will be very encouraging. The medium-to-large-volume producers will find the information provided interesting and practical to solve the inherent problems of excess wastage, better process control and plant efficiency, thereby enhancing profitability. Due to global environmental concerns, as polyurethane chemical components move from petroleum sources to bio-based renewable resources, developers are facing interesting challenges. For continued profitable production, challenges facing the foam machinery manufacturers will be to offer cost-effective, highly efficient and compatible machinery to producers. This book provides practical guidance in all aspects of the manufacture of flexible polyurethane foams, and is an ideal information source for students, teachers, producers and entrepreneurs.

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## **Practical Guide to Flexible Polyurethane Foams By Chris Defonseka Bibliography**

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