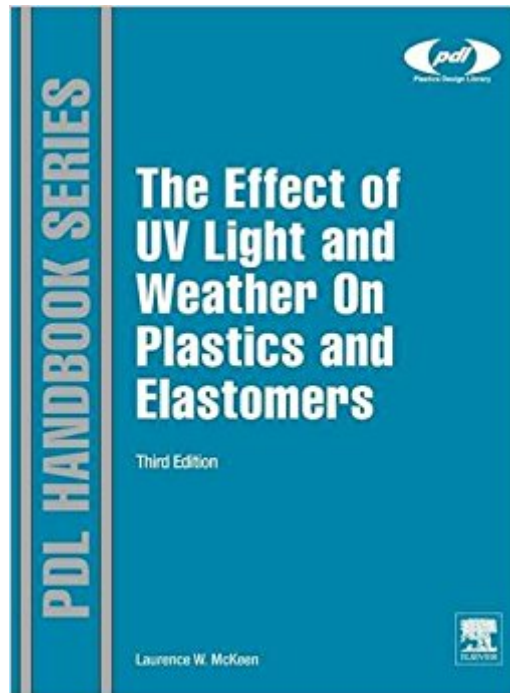


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The Effect Of UV Light And Weather On Plastics And Elastomers, Third Edition (Plastics Design Library)



Synopsis

This reference guide brings together a wide range of essential data on the effects of weather and UV light exposure on plastics and elastomers, enabling engineers to make optimal material choices and design decisions. In both normal and extreme environments, outdoor use has a variety of effects on different plastics and elastomers, including discoloring and brittleness. The data is supported by explanations of real-world engineering applications. The data tables in this book are supported by examples of real-world applications, enabling engineers and scientists to select the right materials for a given situation, across a wide range of sectors including construction, packaging, signage, consumer (e.g. toys, outdoor furniture), automotive and aerospace, defense, etc. The third edition includes new text chapters that provide the fundamental knowledge required to make best use of the data. Author Larry McKeen has also added detailed descriptions of the effect of weathering on the most common polymer classes such as polyolefins, polyamides, polyesters, elastomers, fluoropolymers, biodegradable plastics, etc., making this book an invaluable design guide as well as an industry standard data source. Essential data and practical guidance for engineers and scientists working with plastics in outdoor applications and products. New introductory chapters on weathering processes and the effect of light and heat on plastics. 25% new data.

Book Information

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