

Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering)

From Woodhead Publishing

Download now

Read Online ➔

Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing

The addition of polymers to bitumen allows the modification of certain physical properties, such as softening point, brittleness and ductility, of the bitumen. Polymer modified bitumen: Properties and characterisation provides a valuable and in-depth coverage of the science and technology of polymer modified bitumen.

After an initial introduction to bitumen and polymer modified bitumen, the book is divided into two parts. Chapters in part one focus on the preparation and properties of a range of polymer modified bitumen, including polymer bitumen emulsions, modification of bitumen with poly (urethanes), waste rubber and plastic and polypropylene fibres. Part two addresses the characterisation and properties of polymer modified bitumen. Chapter topics covered include rheology, simulated and actual long term ageing studies; the solubility of bituminous binders in fuels and the use of Fourier transform infrared spectroscopy to study ageing/oxidation of polymer modified bitumen.

Polymer modified bitumen is an essential reference for scientists and engineers, from both academia and the civil engineering and transport industries, interested in the properties and characterisation of polymer modified bitumen.

- Provides a comprehensive and in-depth coverage of the science and technology of polymer modified bitumen
- Focuses on the preparation and properties of a range of polymer modified bitumen, including emulsions, modification of bitumen with poly(urethanes), waste rubber and plastic as well as polypropylene fibres
- Addresses the characterization and properties of polymer modified bitumen, including rheology, simulated and actual long term ageing studies, and the solubility of bituminous binders in fuels

 [**Download** Polymer Modified Bitumen: Properties and Character ...pdf](#)

 [**Read Online** Polymer Modified Bitumen: Properties and Charact ...pdf](#)

Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering)

From Woodhead Publishing

Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing

The addition of polymers to bitumen allows the modification of certain physical properties, such as softening point, brittleness and ductility, of the bitumen. Polymer modified bitumen: Properties and characterisation provides a valuable and in-depth coverage of the science and technology of polymer modified bitumen.

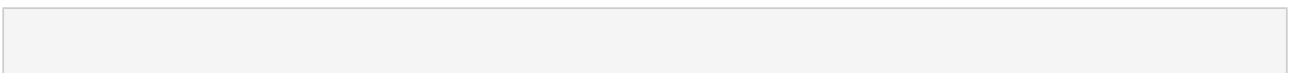
After an initial introduction to bitumen and polymer modified bitumen, the book is divided into two parts. Chapters in part one focus on the preparation and properties of a range of polymer modified bitumen, including polymer bitumen emulsions, modification of bitumen with poly (urethanes), waste rubber and plastic and polypropylene fibres. Part two addresses the characterisation and properties of polymer modified bitumen. Chapter topics covered include rheology, simulated and actual long term ageing studies; the solubility of bituminous binders in fuels and the use of Fourier transform infrared spectroscopy to study ageing/oxidation of polymer modified bitumen.

Polymer modified bitumen is an essential reference for scientists and engineers, from both academia and the civil engineering and transport industries, interested in the properties and characterisation of polymer modified bitumen.

- Provides a comprehensive and in-depth coverage of the science and technology of polymer modified bitumen
- Focuses on the preparation and properties of a range of polymer modified bitumen, including emulsions, modification of bitumen with poly(urethanes), waste rubber and plastic as well as polypropylene fibres
- Addresses the characterization and properties of polymer modified bitumen, including rheology, simulated and actual long term ageing studies, and the solubility of bituminous binders in fuels

Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing Bibliography

- Sales Rank: #4011300 in Books
- Published on: 2011-09-29
- Original language: English
- Number of items: 1
- Dimensions: 9.30" h x 1.30" w x 6.40" l, 1.65 pounds
- Binding: Hardcover
- 424 pages



 [**Download** Polymer Modified Bitumen: Properties and Character ...pdf](#)

 [**Read Online** Polymer Modified Bitumen: Properties and Charact ...pdf](#)

Download and Read Free Online Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing

Editorial Review

About the Author

Tony McNally is a Faculty Member in the School of Mechanical and Aerospace Engineering at Queen's University Belfast, UK. He is a Fellow of the Royal Society of Chemistry (FRSC).

Users Review

From reader reviews:

Christine Willis:

Do you have favorite book? Should you have, what is your favorite's book? E-book is very important thing for us to learn everything in the world. Each guide has different aim as well as goal; it means that reserve has different type. Some people sense enjoy to spend their time and energy to read a book. They are reading whatever they take because their hobby is usually reading a book. What about the person who don't like reading through a book? Sometime, man or woman feel need book once they found difficult problem as well as exercise. Well, probably you will require this Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering).

Lacey Clements:

The e-book untitled Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) is the guide that recommended to you to see. You can see the quality of the guide content that will be shown to a person. The language that article author use to explained their ideas are easily to understand. The article author was did a lot of study when write the book, therefore the information that they share to you is absolutely accurate. You also can get the e-book of Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) from the publisher to make you considerably more enjoy free time.

Kevin Jakubowski:

Many people spending their moment by playing outside together with friends, fun activity having family or just watching TV 24 hours a day. You can have new activity to spend your whole day by reading through a book. Ugh, ya think reading a book will surely hard because you have to bring the book everywhere? It alright you can have the e-book, bringing everywhere you want in your Smartphone. Like Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) which is getting the e-book version. So , why not try out this book? Let's view.

Michael Walsh:

This Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) is brand new way for you who has interest to look for some information mainly because it relief your hunger of knowledge. Getting deeper you into it getting knowledge more you know or you who still having small amount of digest in reading this Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) can be the light food for you because the information inside this particular book is easy to get by means of anyone. These books create itself in the form that is certainly reachable by anyone, that's why I mean in the e-book type. People who think that in book form make them feel drowsy even dizzy this reserve is the answer. So there is absolutely no in reading a guide especially this one. You can find actually looking for. It should be here for you actually. So , don't miss that! Just read this e-book sort for your better life along with knowledge.

Download and Read Online Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing
#KYID1Z7MN4J

Read Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing for online ebook

Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing books to read online.

Online Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing ebook PDF download

Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing Doc

Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing Mobipocket

Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing EPub

KYID1Z7MN4J: Polymer Modified Bitumen: Properties and Characterisation (Woodhead Publishing Series in Civil and Structural Engineering) From Woodhead Publishing