1. Record Nr. UNINA9910140560303321

Autore	Chandrasekaran V. C
Titolo	Rubber as a construction material for corrosion protection [[electronic resource]] : a comprehensive guide for process equipment designers / / [by] V.C. Chandrasekaran
Pubbl/distr/stampa	Chichester, : Wiley, 2010
ISBN	1-282-65413-6 9786612654138 1-118-02930-5 1-61344-176-2 0-470-89319-2 0-470-89318-4
Descrizione fisica	1 online resource (321 p.)
Collana	Wiley-Scrivener ; ; v.16
Disciplina	624.1894 691.9
Soggetti	Rubber Building materials - Corrosion
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Rubber as a Construction Material for Corrosion Protection: A Comprehensive Guide for Process Equipment Designers; Contents; Acknowledgements; Preface; 1. Introduction - Background and Reasons for Using Rubber as a Construction Material; 2. Rubber Compounding; 3. Ebonite-Problems and Solutions; 4. Rubber Lining - Types and Application Procedures; 5. Rubbers and Their Relevant Properties for the Chemical and Mineral Processing Industries; 6. Design Considerations for Fabrication of Equipment Suitable for Rubber Lining; 7. Chemical Process Plants and Equipment 8. Processibility and Vulcanization Tests 9. Rubber to Metal Bonding; 10. Vulcanization Technology; 11. Rubber in Seawater Systems; 12. Rubber in Oil Field Environment; 13. Calendering of Rubber and Coated Rubber Sheets; 14. Moulding Technology; 15. Service Life of Rubber-lined Chemical Equipment; 16. Case Studies; Glossary of Terms; Appendix 1. ASTM Elastomer / Rubber Designations; Appendix 2.

	Properties of Specialty Rubbers; Appendix 3. Temperature-Pressure Equivalents of Saturated Steam; Appendix 4. List of Suppliers Who Publish Technical Literature on Rubbers and Chemicals; Bibliography About the AuthorIndex
Sommario/riassunto	First book on rubber used as a construction material dedicated to the chemical process industry Despite the long history of rubber as a construction material, this book is a unique publication as it comprehensively looks at the material with respect to the anti-corrosion requirements of the multitude of industries where rubber is used, both on land and offshore. This guide documents how rubber reliably meets the threats of corrosion and contributes to the longevity of the equipment. Chapters on ebonite, natural, and synthetic rubbers, examine their relevant properties and chemical res