Essential Rubber Formulary [Formulas for Practitioners

Chandrasekaran, Chellappa

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Monografía

The author, a seasoned rubber technologist of four decades, provides more than 180 essential rubber formularies, some of which have never been published, that are used by practitioners the world over on a frequent basis. A special feature of the formulations is that they are designed for factory scale applications.The opening chapter of this indispensable book gives practical information on compounding techniques, coloring, ingredients, as well as a whole section on typical rubber testing methods. The book concludes with appendices useful for the technologist that include seven convers

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Contenido: Front Cover; Essential Rubber Formulary: Formulas for Practitioners; Copyright Page; Contents; Preface; Part 1: About Rubber; Chapter 1. Introduction; Chapter 2. Brief Notes on Compounding Ingredients; 2.1 Accelerators; 2.2 Vulcanizing Agents; 2.3 Activators; 2.4 Antioxidants; 2.5 Fillers and Reinforcing Agents; 2.6 Retarders; 2.7 Process Oils/Softeners; Chapter 3. Some Hints on Rubber Compounding Techniques; Chapter 4. Note on Reclaimed Rubber; Chapter 5. Rubber Content in Products; Chapter 6. Note on Coloring of Rubbers; Chapter 7. Typical Rubber Testing Methods; 7.1 Prelude 7.2 Tests on Unvulcanized Rubber Stocks7.3 Tests on Vulcanized Rubbers; Part 2: Formulary; Chapter 8. Thin Coatings; 8.1 Introduction; 8.2 The Gray Coating of Hypalon; 8.3 The Black Coating of Neoprene; 8.4 Black Brushing; 8.5 Gray Brushing; Chapter 9. Oil Seals and "O" Rings; 9.1 Introduction; 9.2 Rotary Seal (Neoprene)-85°A; 9.3 "O" Ring (Neoprene)-60°A; 9.4 Rotary Seal (Nitrile)-60°A; 9.5 Rotary Seal (Nitrile)-80°A; 9.6 Rotary Seal (Nitrile)-75°A; 9.7 "O" Rings (Nitrile)-65°A; 9.8 "O" Rings (Nitrile 1)-60°A; 9.9 "O" Rings (Nitrile 2)-60°A 9.10 "O" Ring Compound (Styrene-Butadiene Rubber, SBR)-55°A9.11 Rotary Seal (Natural Rubber)-85°A; 9.12 "O" Rings (Natural Rubber) for Pipe Couplings-60°A; 9.13 Rotary Seal (SBR)-90°A; 9.14 Rotary Seal (Nitrile)-75°A; 9.15 "O" Rings (Nitrile)-60°A; 9.16 Rotary Seal

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Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es