



# Essential Rubber Formulary [ Formulas for Practitioners

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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 Stocks 7.3 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°A 9.11 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

(Blend of Nitrile/SBR)-75°A; 9.17 Rotary Seal (Neoprene)-85°A; 9.18 Rotary Seal (Neoprene)-95°A; 9.19 "O" Ring (Neoprene)-65°A; 9.20 Butyl Rubber Seal-75°A; 9.21 Bromobutyl Seal-70°A; 9.22 "O" Ring Thiokol (Polysulfide Rubber) for Airborne Applications; 9.23 Typical Nitrile Sealing Formulations for Airborne Applications 9.24 Rotary Seal (Hypalon)9.25 Rotary Seal (Nitrile/PVC Blend)-80°A; 9.26 "O" Ring (Nitrile/PVC Blend)-65°A; 9.27 Rotary Seal with Viton for Airborne Applications; 9.28 Nitrile Rubber Ebonite for Oil Resistant Products; Chapter 10. Beltings-Transmission, Conveyor, and V-Belts; 10.1 Introduction; 10.2 V-Belt Inner Layer (Natural Rubber); 10.3 Cord Friction Compound; 10.4 Latex-Based Solution for Cord Dipping; 10.5 Transmission Belting; 10.6 Conveyor Belt Cover Compound (Natural Rubber); 10.7 Conveyor Belt Cover Compound (Flame Proof); 10.8 Conveyor Belt Cover (Natural Rubber/SBR Blend) 10.9 Oil Resistant Raw Edge V-BeltChapter 11. Auto Rubber Components (Molded); 11.1 Introduction; 11.2 Shock Absorber-55°A; 11.3 Shock Absorber-65°A; 11.4 Shock Absorber 1-60°A; 11.5 Shock Absorber 2-60°A; 11.6 Stabilizer Bar Bush-60°A; 11.7 Stabilizer Bar Bush-67°A; 11.8 Adhesive Bonding Agent for Fabric Insertion Sheets; 11.9 Repair Cement for Automotive Belts; 11.10 Metal-Bonded Engine Mountings-45°A; 11.11 Tire Flaps-60°A; 11.12 Window Channel Extrusion for Cars (Natural Rubber); 11.13 Window Channel Extrusion for Cars (Styrene-Butadiene Rubber (SBR)) 11.14 Neoprene Dust Covers for the Auto Industry-58°A

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