

1. Record Nr.	UNISA996390406603316
Autore	Lithgow William <1582-1645?>
Titolo	The totall discourse, of the rare adventures, and painefull peregrinations of long nineteene yeares travailes from Scotland, to the most famous kingdomes in Europe, Asia, and Affrica [[electronic resource]] : Perfited by three deare bought voyages, in surveying of forty eight kingdomes ancient and modern; twenty one rei-publicks, ten absolute principalities, with two hundred islands. ... divided into three bookes: being newly corrected, and augmented in many severall places, with the addition of a table thereunto annexed of all the chiefe heads. Wherein is contayed an exact relation of the lawes, religions, policies and governments of all their princes, potentates and people. Together with the grievous tortures he suffered by the Inquisition of Malaga in Spaine ... And of his last and late returne from the Northern Isles, and other places adjacent. By William Lithgow
Pubbl/distr/stampa	Imprinted at London, : By I. Okes, 1640
Descrizione fisica	[16], 444, 447-514, [8] p. : ill
Soggetti	Voyages and travels
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	A revised and enlarged edition, with a new dedication and prologue, of: A most delectable, and true discourse, of an admired and painefull peregrination from Scotland, to the most famous kingdomes in Europe, Asia and Affricke. Running title reads: The 19 yeares travells of William Lithgow, by 3 voyages in Europe, Asia, and Affrica. Reproduction of the original in the British Library.
Sommario/riassunto	eebo-0018

2. Record Nr.	UNINA9911006806103321
Autore	Hewitt Norman
Titolo	Compounding precipitated silica in elastomers // Norman Hewittt
Pubbl/distr/stampa	Norwich, NY, : William Andrew Pub., c2007
ISBN	0-08-094728-X 1-282-76962-6 9786612769627 1-282-01358-0 9786612013584 0-8155-1653-3 1-60119-517-6
Descrizione fisica	1 online resource (603 p.)
Collana	Plastics design library
Disciplina	678
Soggetti	Elastomers Rubber Silica
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	Front Cover; Compounding Precipitated Silica in Elastomers; Copyright Page; Table of Contents; Acknowledgements; Preface; Chapter 1. SILICA AS A REINFORCING FILLER; 1.1 Introduction; 1.2 Manufacture of Precipitated Silica; 1.3 Silica and Carbon Black; 1.4 Silica Surface Area; 1.5 Silica Free Water; 1.6 Silica Free Water, Affect on Visible Dispersion; 1.7 Silica Surface Silanol Groups; 1.8 Silica pH; 1.9 Soluble Salts in Silica; 1.10 Physical Form and Sensity of Silica; 1.11 Other Silica Properties; 1.12 Silane Treated Silicas; Chapter 2. COMPOUNDING PRECIPITATED SILICA IN NATURAL RUBBER 2.1 Introduction 2.2 Silica and Carbon Black; 2.3 Activation: Zinc Oxide; 2.4 Cure Activation: Glycols; 2.5 Acceleration with Secondary Accelerators in Normal Sulfur Systems; 2.6 Acceleration: Single Accelerators in Normal Sulfur Systems; 2.7 Acceleration: Single Accelerators; Vulcanizate Properties; 2.8 Acceleration: Low Sulfur/Sulfur Donor Systems; 2.9 Reversion; 2.10 Antioxidant Systems:

Non-staining; 2.11 Plasticization; 2.12 Tear Resistance; 2.13 Tear Resistance: Contour Curve Studies of Silica Content Effects; 2.14 Tear Resistance: Silica Primary Particle Size; 2.15 Tear Resistance Non-Marking Solid tires 2.16 Shelf Aged Stiffness and Green Strength; 2.17 Peroxide Cure; 2.18 Peroxide Curing: Silica Reinforcement and Structure; 2.19 Peroxide Curing: Silica Surface Area; 2.20 Peroxide Cure: Silane Coupling; 2.21 Silane Coupling: Sulfur Cure Systems; 2.22 Zinc-Free Cure Systems; 2.23 Zinc-Free Cure Systems: Polyisoprene (IR); 2.24 Brass Adhesion; 2.25 Brass Adhesion Mechanism; 2.26 Adhesion to Textile Fabrics; the HRH System; 2.27 Fabric Adhesion: Dynamic Testing; 2.28 Heat Resistance; Natural Rubber Formulary; Chapter 3. COMPOUNDING PRECIPITATED SILICA IN EMULSION SBR 3.1 Introduction 3.2 Silica and Carbon Black; 3.3 Cure Systems: Activation with Glycols; 3.4 Cure System: Zinc Oxide Activation; 3.5 Cure System: Magnesium Oxide Activation; 3.6 Cure System: Lead oxide (Litharge) Activation; 3.7 Cure System: Stearic Acid; 3.8 Cure Systems: Primary, Secondary Accelerators; 3.9 Cure Systems: Single Accelerators; 3.10 Cure Systems: Sulfur Concentration; 3.11 Plasticization; 3.12 Antioxidants; 3.13 Tear Resistance: Silica Primary Particle Size; 3.14 Tear Resistance: Silica Content; 3.15 Fabric Adhesion; 3.16 Heat Resistance; 3.17 Silane Coupling 3.18 Silane Coupling: Competition Emulsion SBR Formulary; Chapter 4. COMPOUNDING PRECIPITATED SILICA IN SOLUTION SBR AND BR; 4.1 Introduction; 4.2 Silica and Carbon Black; 4.3 Zinc-Free Cure Systems; 4.4 Zinc-Free Cure Systems: Accelerators & Sulfur; 4.5 Zinc-Free Cure Systems: Polymer Effects; 4.6 Zinc-Free Cure Systems: Zinc Oxide and HMT; 4.7 Zinc-Free Cure Systems: Effects of Additives; 4.8 Zinc-Free Cure Systems: Sulfur Content; 4.9 Zinc-Free Cure System: Antioxidants; 4.10 Zinc-Free Cure Systems: Processing; 4.11 Zinc-Free Systems: Plasticizers 4.12 Zinc-Free Systems: Additive Plasticizers

Sommario/riassunto

This valuable guide to compounding elastomers with precipitated silica covers principles, properties, mixing, testing and formulations from a practical perspective. This handbook and reference manual will serve those who work on part design, elastomer formulation, manufacturing and applications of elastomers. Ample discussion of compound specifications adds to the usefulness of this book to practitioners. Comparisons of carbon black and silica compounds throughout the book allow readers to select the most suitable formulation for applications ranging from tires to electrical insulation to shoe
